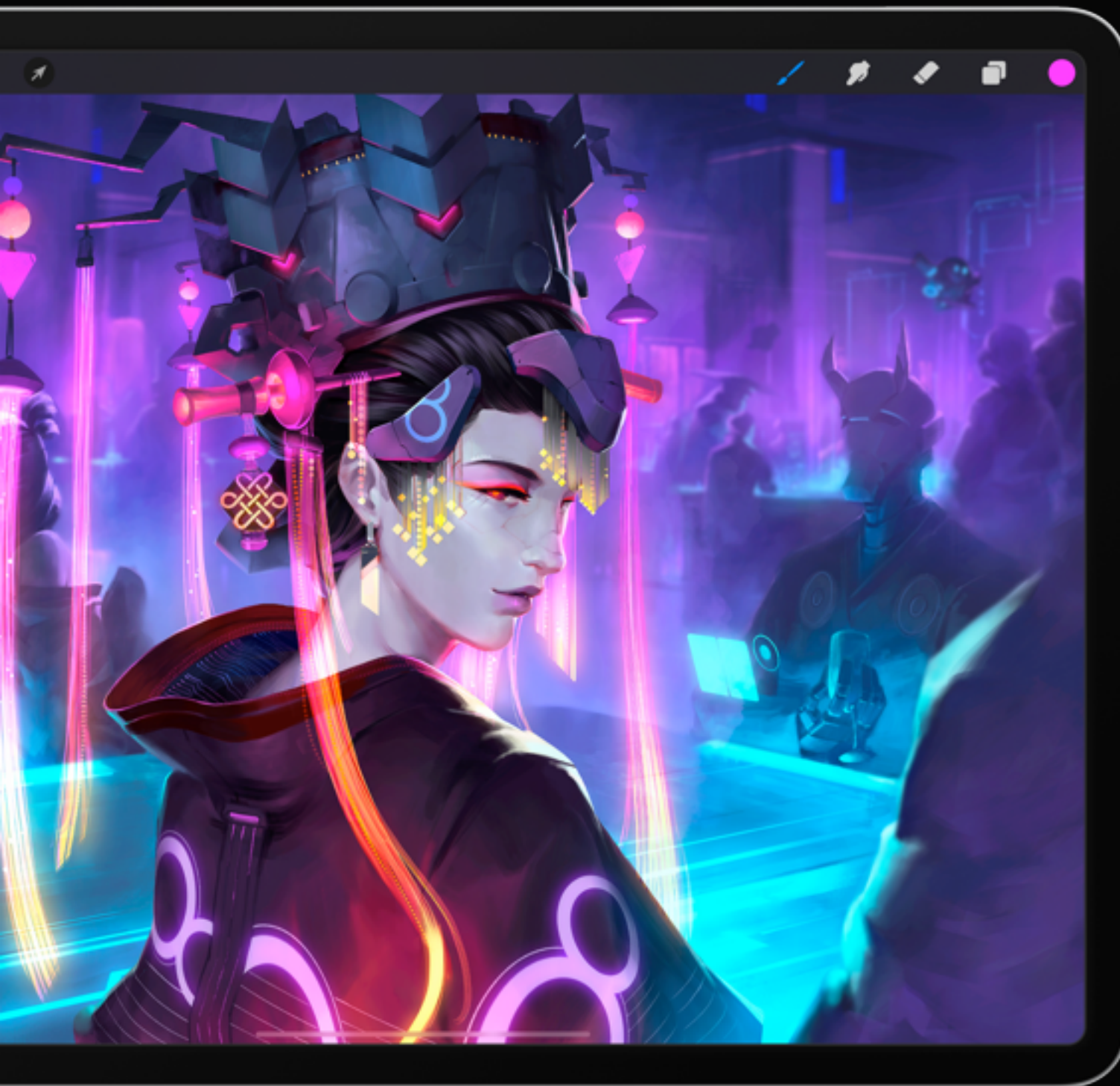


Artists Handbook

Version 4.2

Procreate[®]

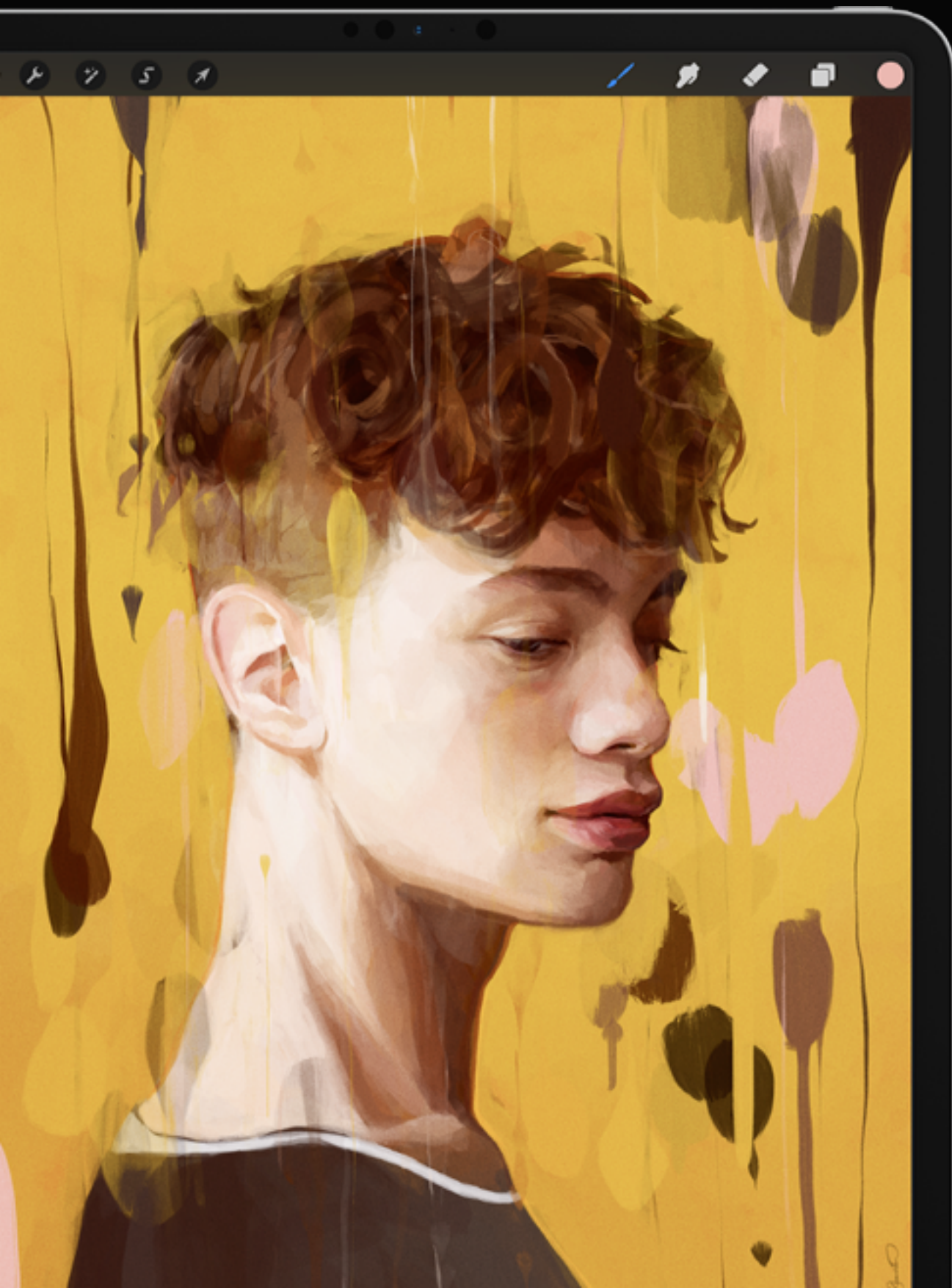
**Welcome to
Procreate**



Welcome to Procreate,
simply the most
advanced painting app
ever designed for a
mobile device.


Procreate is the winner of the prestigious **Apple Design Award**, recognizing the technical, aesthetic, and creative excellence of the product.





Silica M

Powered by a brand new engine built on Metal, Apple's unique graphics API, and combined with the iPad's impressive graphics processing unit, and you have the **fastest 64-bit painting** available on a mobile device.

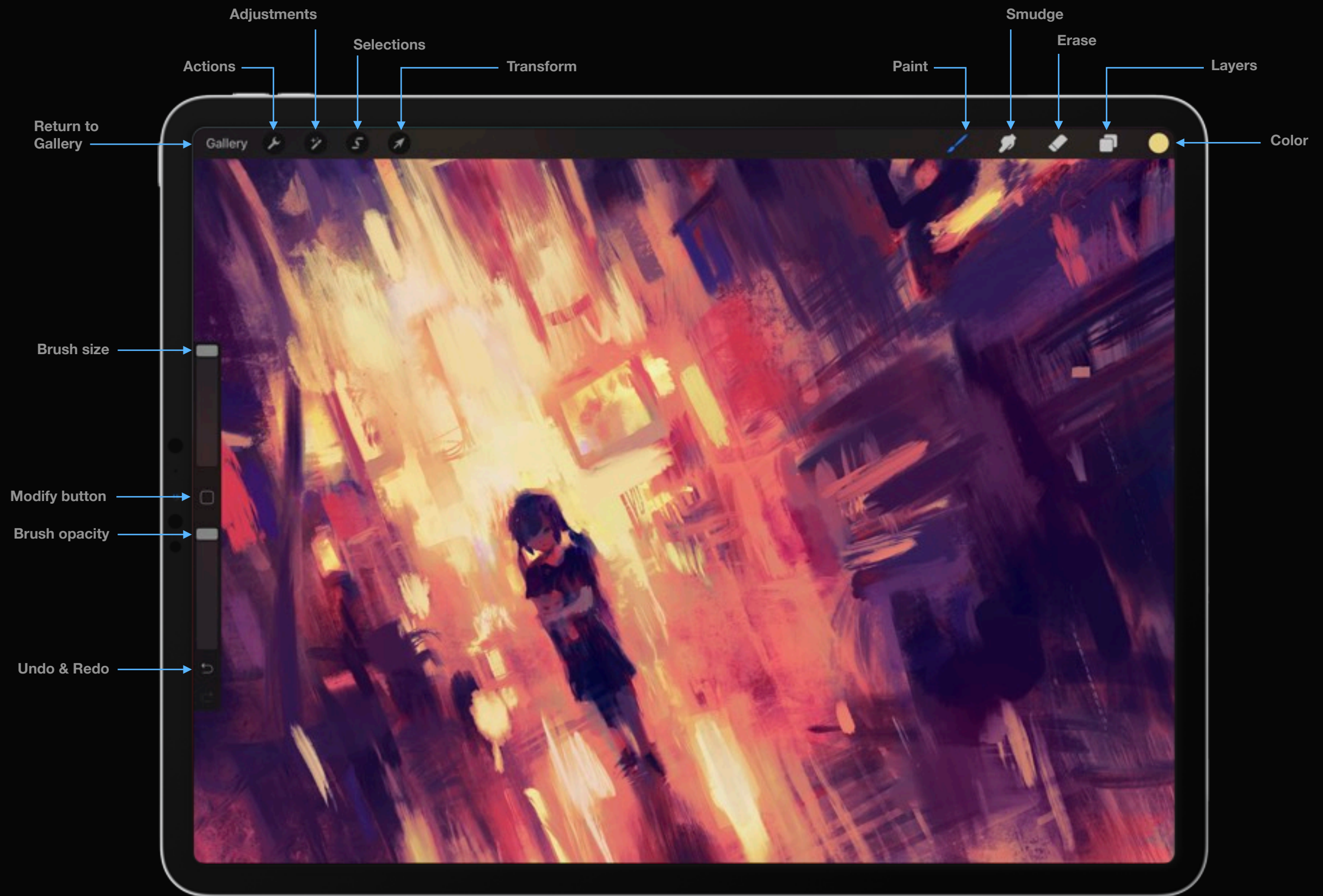
A close-up photograph of a hand holding a white Apple Pencil. The hand is positioned as if about to draw on a dark, reflective surface. The pencil is white with a silver band near the tip. The background is blurred, showing a dark surface and a hint of a light-colored object.

Designed for **iPad Pro** and **Apple Pencil**, no other product uses the sensors inside Apple Pencil to the same depth and complexity, or offers as much customization and control.

Section 2

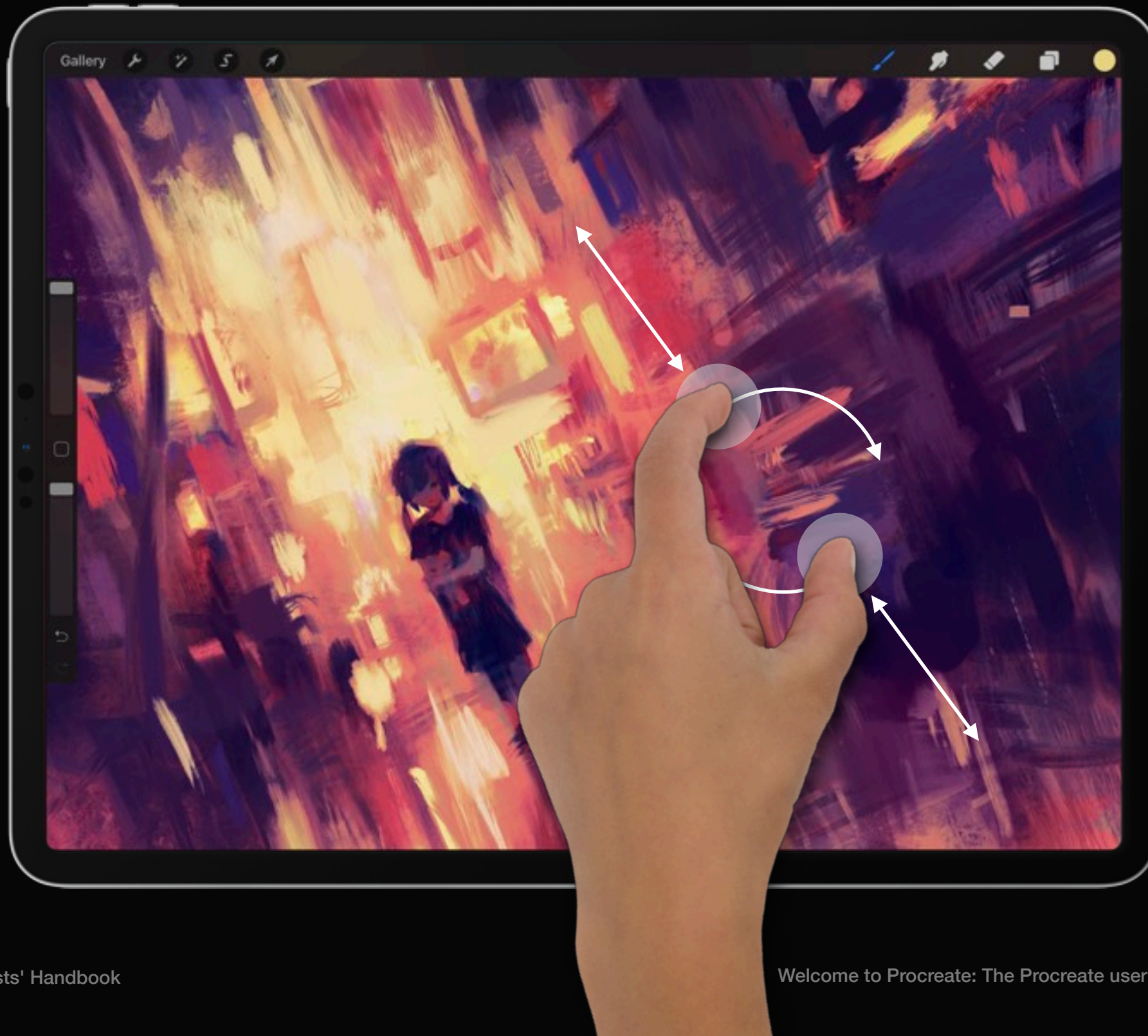
The Procreate user interface

Learn how to navigate through Procreate's essential tools. Every part of Procreate is designed for an intuitive and efficient multitouch workflow.



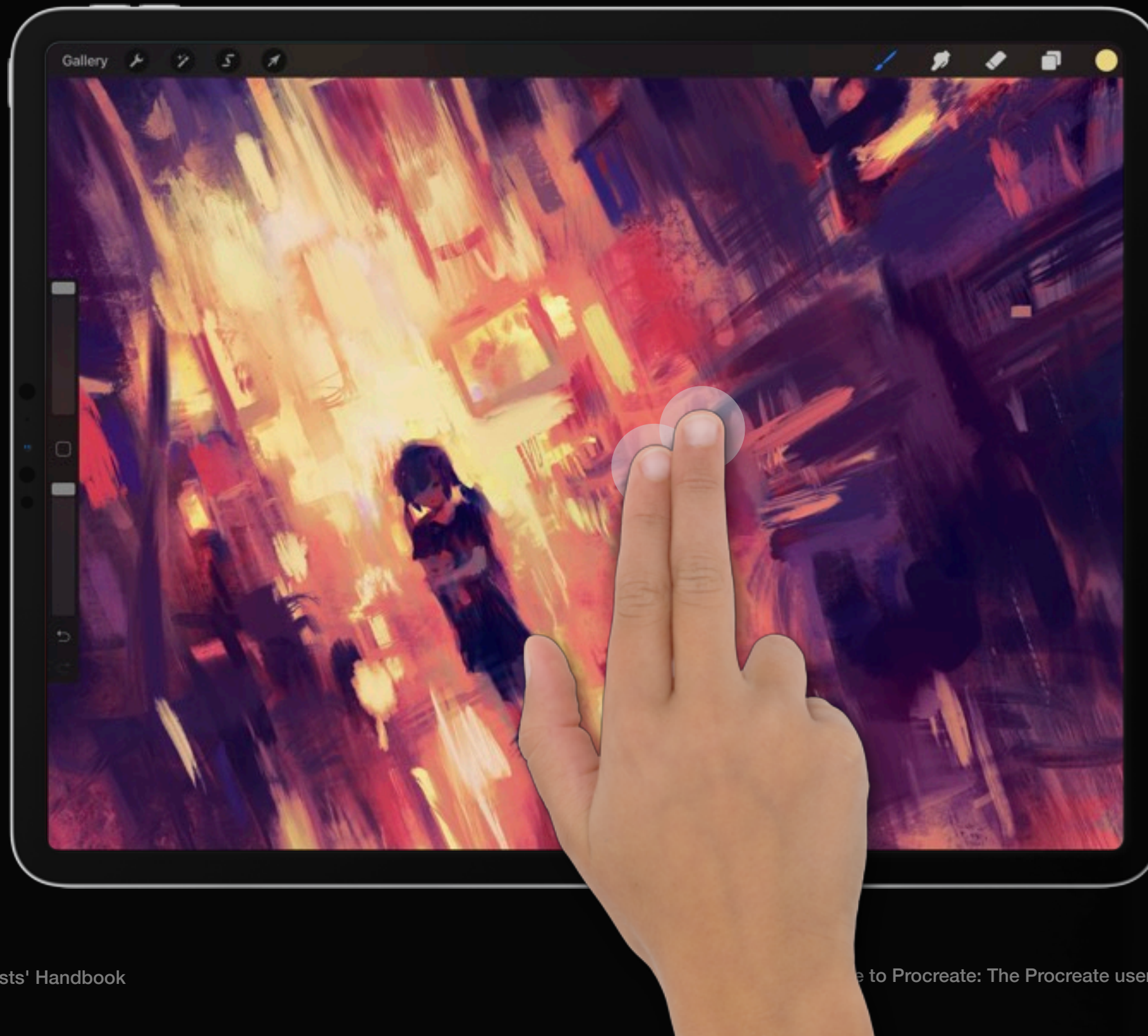
Zoom and rotate canvas

Pinch your canvas with two fingers to zoom and rotate, so you can navigate quickly to the exact location you need.



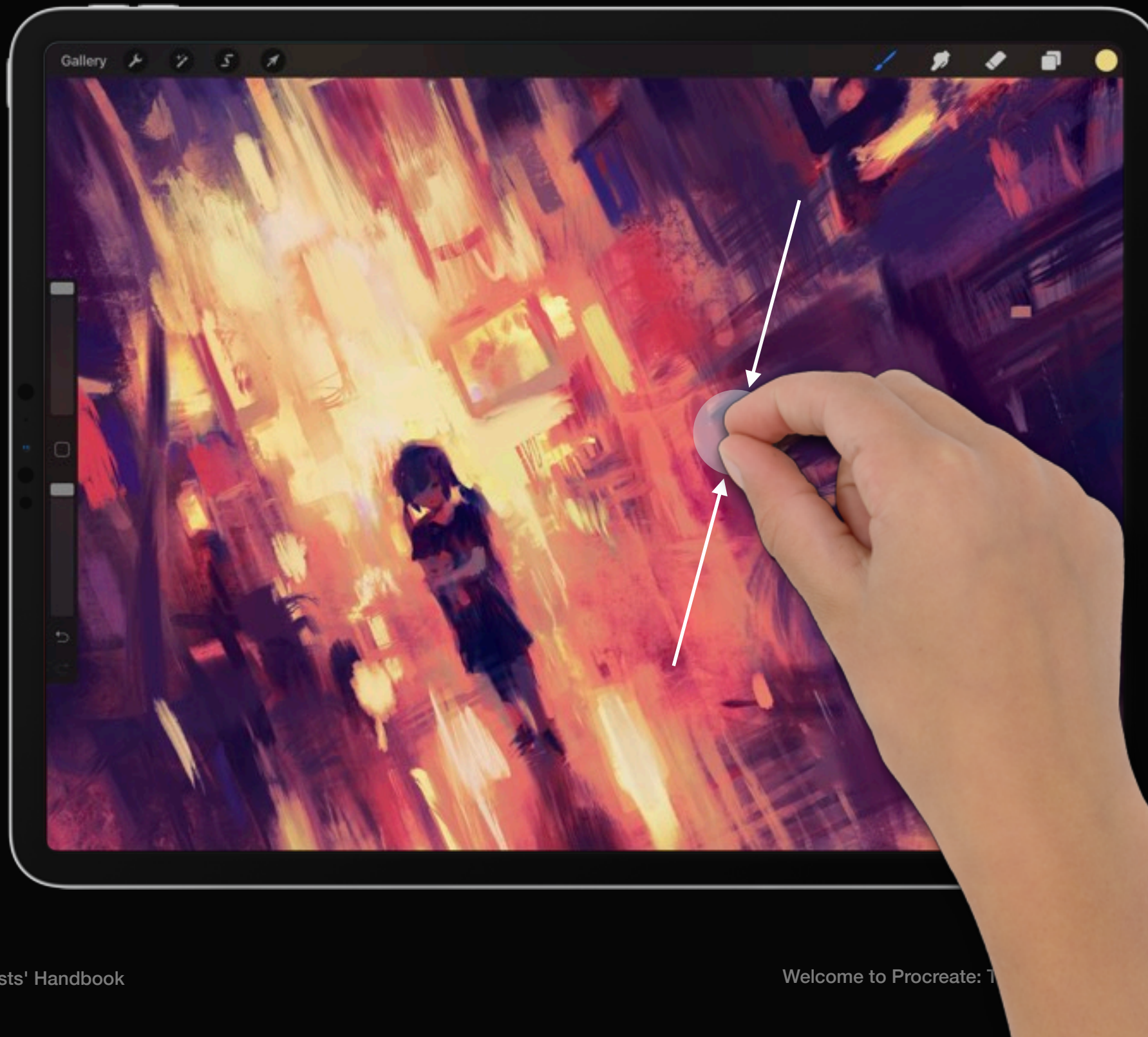
Two finger tap to Undo

Simply tap two fingers on the canvas at any time to Undo your last action.



Quick Pinch

Quickly pinch inward to fit your canvas to the screen.

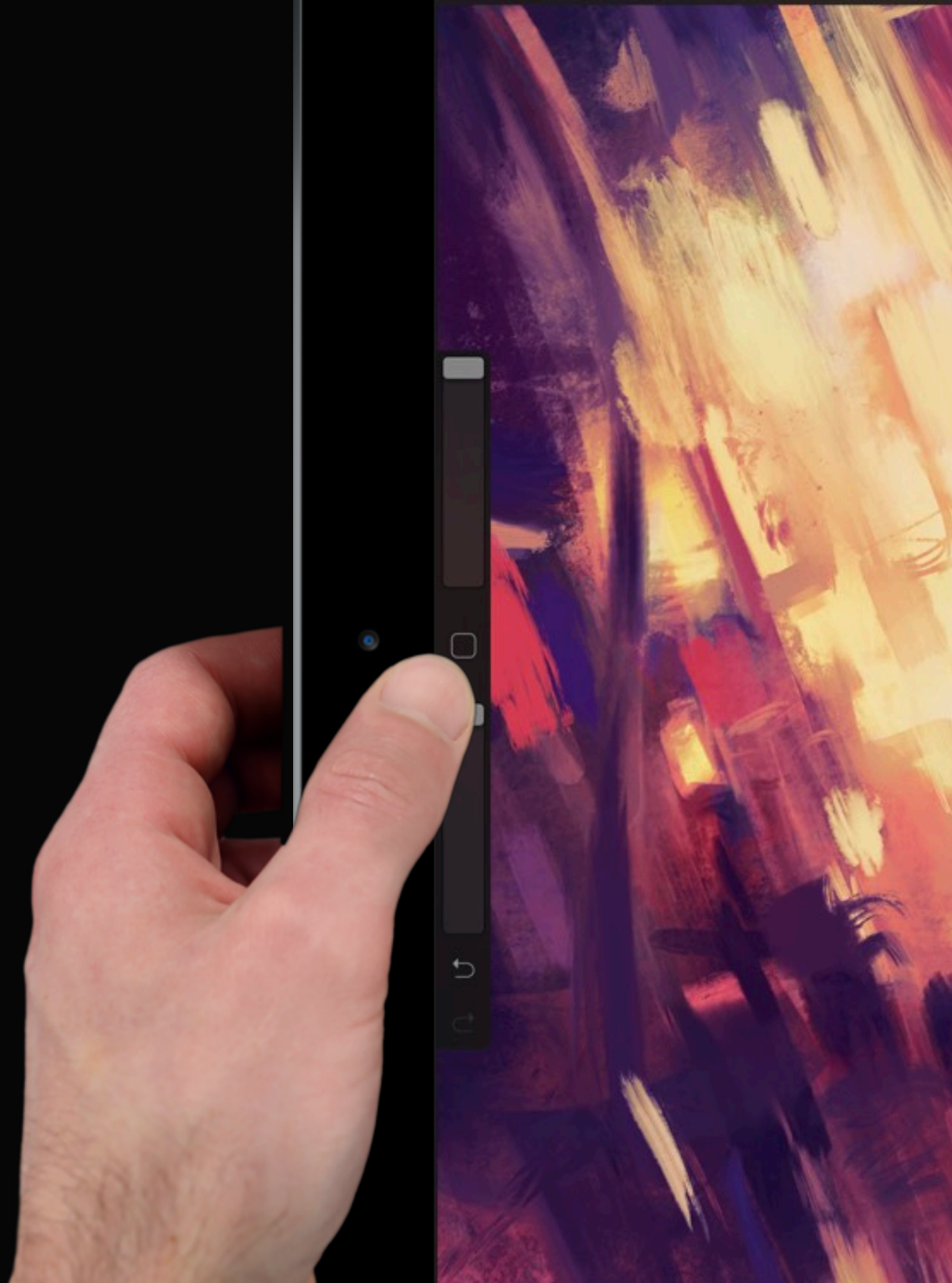


Precise control

Accurate, easy to use sliders provide pinpoint control over brush size and opacity.

Every slider in Procreate can be manipulated with precise control. Grab the slider then move your finger away from the sidebar to adjust in more precise increments. The further away from the slider you get, the finer the control.

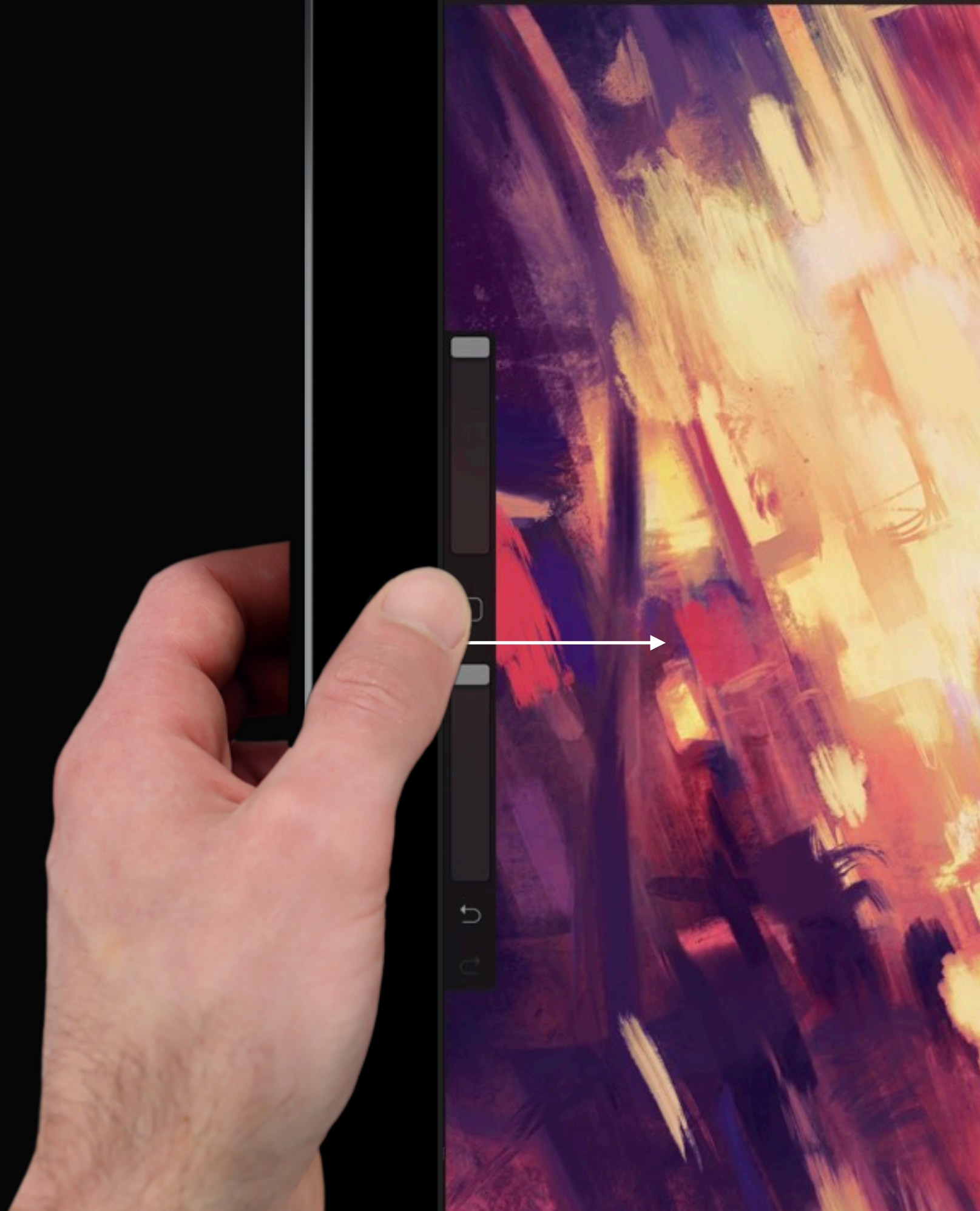
See page 360 for more information on how to make the most of the Modify button.



Adjust the sidebar

Put the controls right where you need them.

You can position the sliders in the location that works best for you. Simply drag the Modify button away from the edge of the screen. The sidebar will slide out, and you can move it up or down until you've found the perfect placement for your workflow. To move the sidebar to the other side of the screen, see page 346.



Full Screen mode

To cater for those moments when you only need one brush and zero distractions, enter Full Screen Mode.

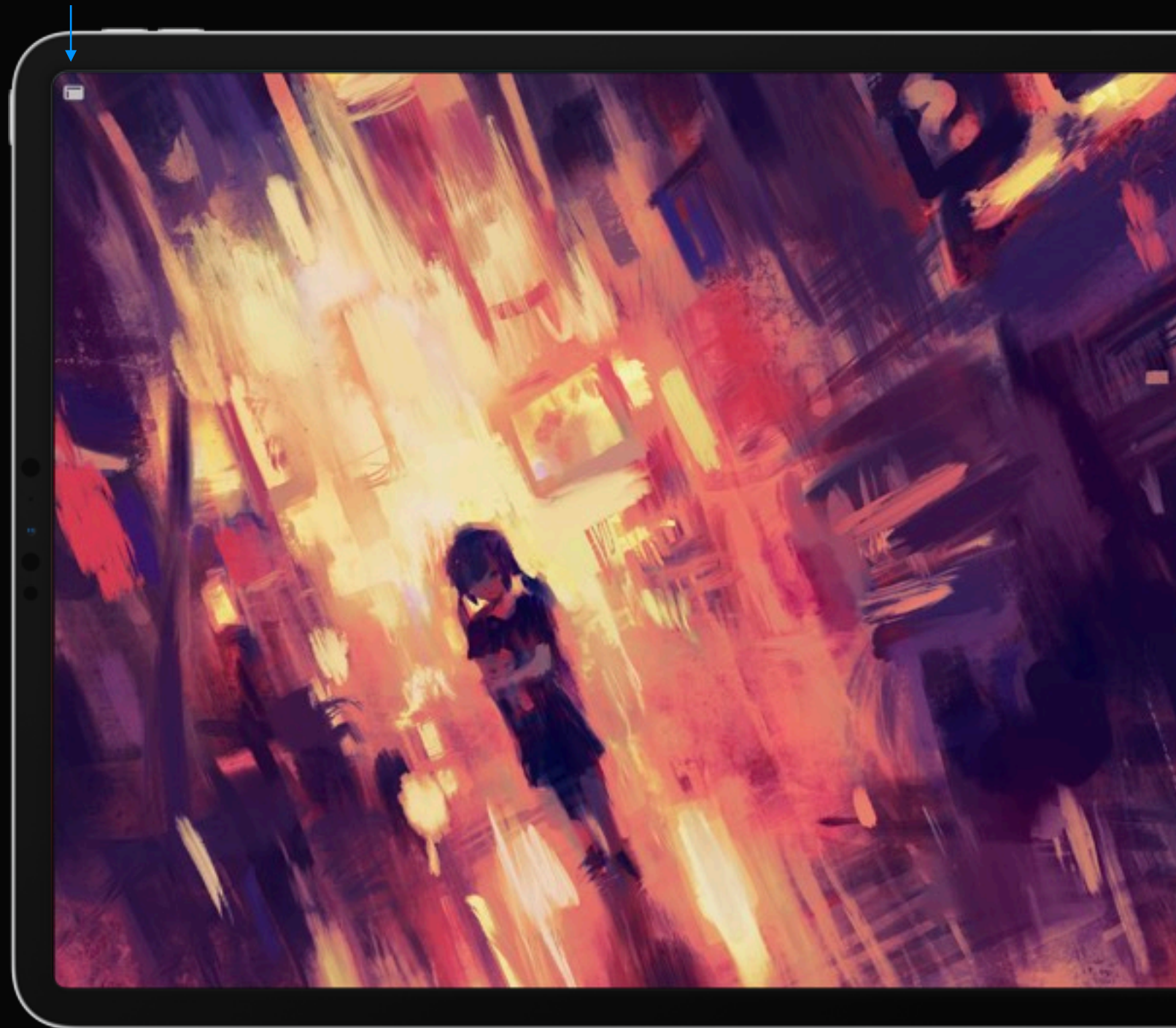
To initiate Full Screen mode, tap 4 fingers on the screen. You'll notice the UI slide away to give a completely clean view of your canvas.

To bring the UI back, tap again with 4 fingers, or tap the Toolbars icon in the top corner.

Pro tip:

To use the undo/redo and clear layer functions while in Full Screen mode, use the multitouch gestures. See page 53 for details.

Full Screen indicator



What you'll learn

In this guide you will find a basic walkthrough of the Procreate application for iPad. You'll quickly pick up how to:

- Create a new canvas and organize your Gallery with Stacks.
- Tweak the brushes to your liking.
- Control brush results with the precision sliders.
- Create your own brush from your own textures.
- Use the smudge tool to blend colors effortlessly.
- Erase mistakes and use the undo/redo system.
- Layer artwork, isolate and merge elements.
- Manipulate colors via layer blend modes.
- Create custom effects with Adjustments.
- Use Transform to create accurate 3D environments easily, and move, scale, rotate, distort, and warp layers.
- Work with QuickShape to create shapes and straight lines where you want them.
- Create 2D, Isometric, Perspective, or Symmetry Drawing Guides and use Drawing Assist to create perfect environments
- Export JPEG, PNG, PSD, TIFF & PDF files to your Photos, Files app, AirDrop, social networks or any connected cloud service.
- Maximize your efficiency by using QuickMenu, Layer Select, Keyboard Shortcuts, and customizing your Gesture Controls.

Your Artwork Gallery

Section 1

Create a new canvas

Learn how Procreate stores your artwork, how to import existing artwork, and how to create your very own custom canvas.

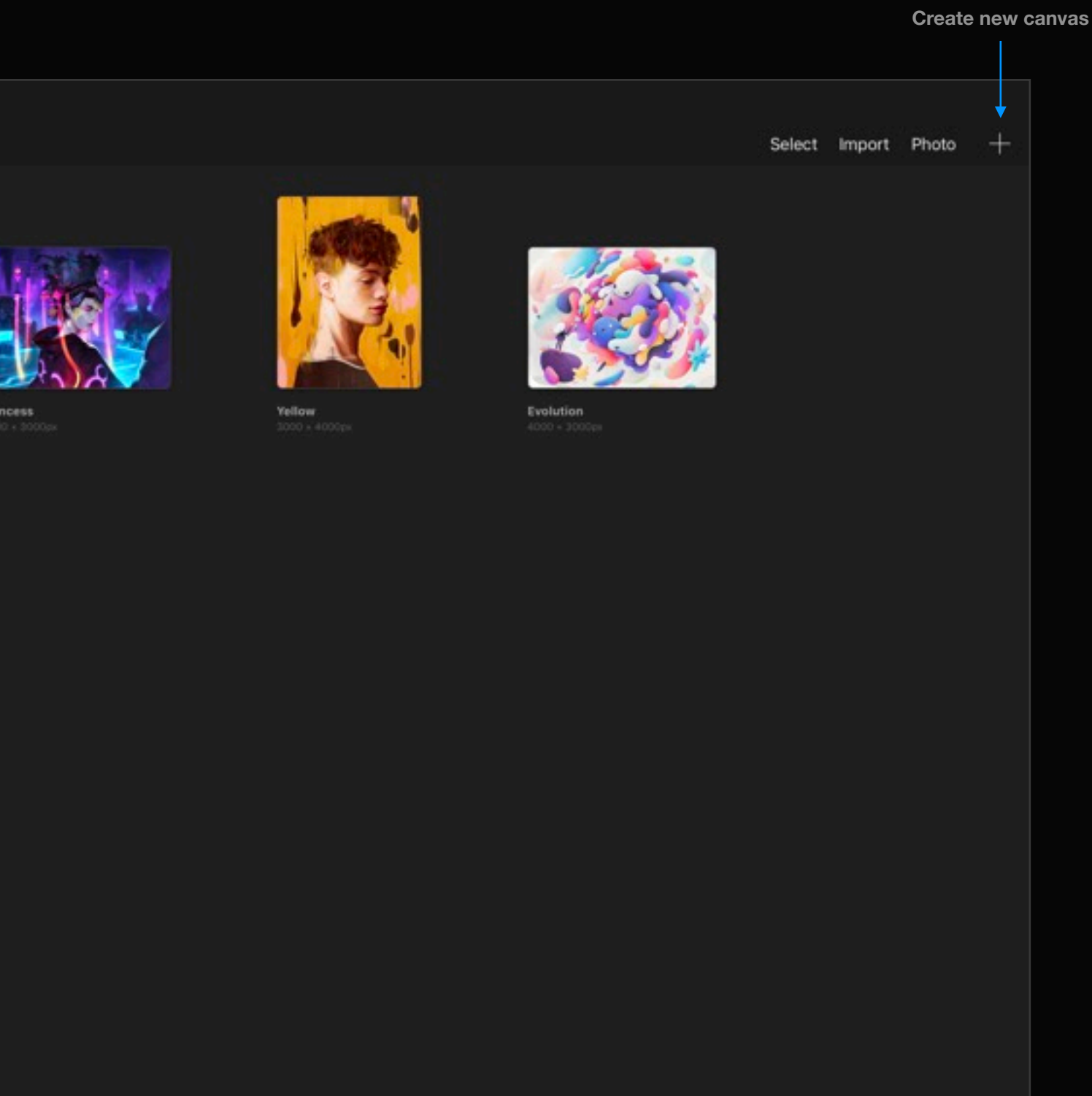


Procreate artwork format

Every artwork you make in Procreate is stored as a unique .procreate file format on your iPad.

Having a native file format brings many benefits to you, the artist:

- Your artwork takes up less space on your iPad
- Loading times significantly reduced
- Layered artwork files
- Super-easy to share
- Painless backing up and restoring
- Retains your image and video data in one file

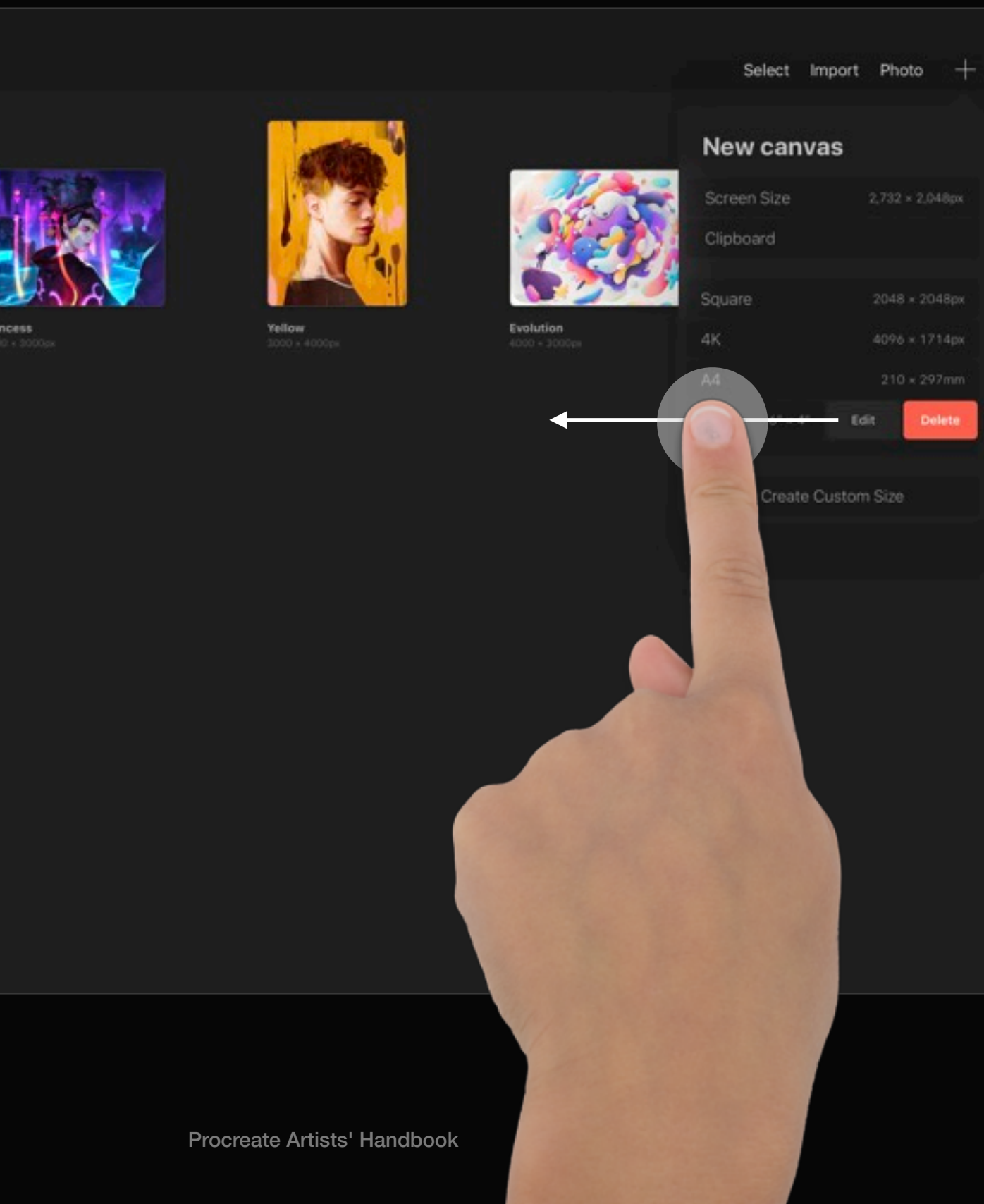


Preset canvas sizes

Procreate has a few standard-sized canvases to make creating a new artwork quick and easy.

Just tap any canvas size in the menu to create it instantly. To make your own custom size, see page 20.

Layers scale with the size of the canvas. The smaller the canvas, the more layers you will be offered.



Edit or Delete canvas presets

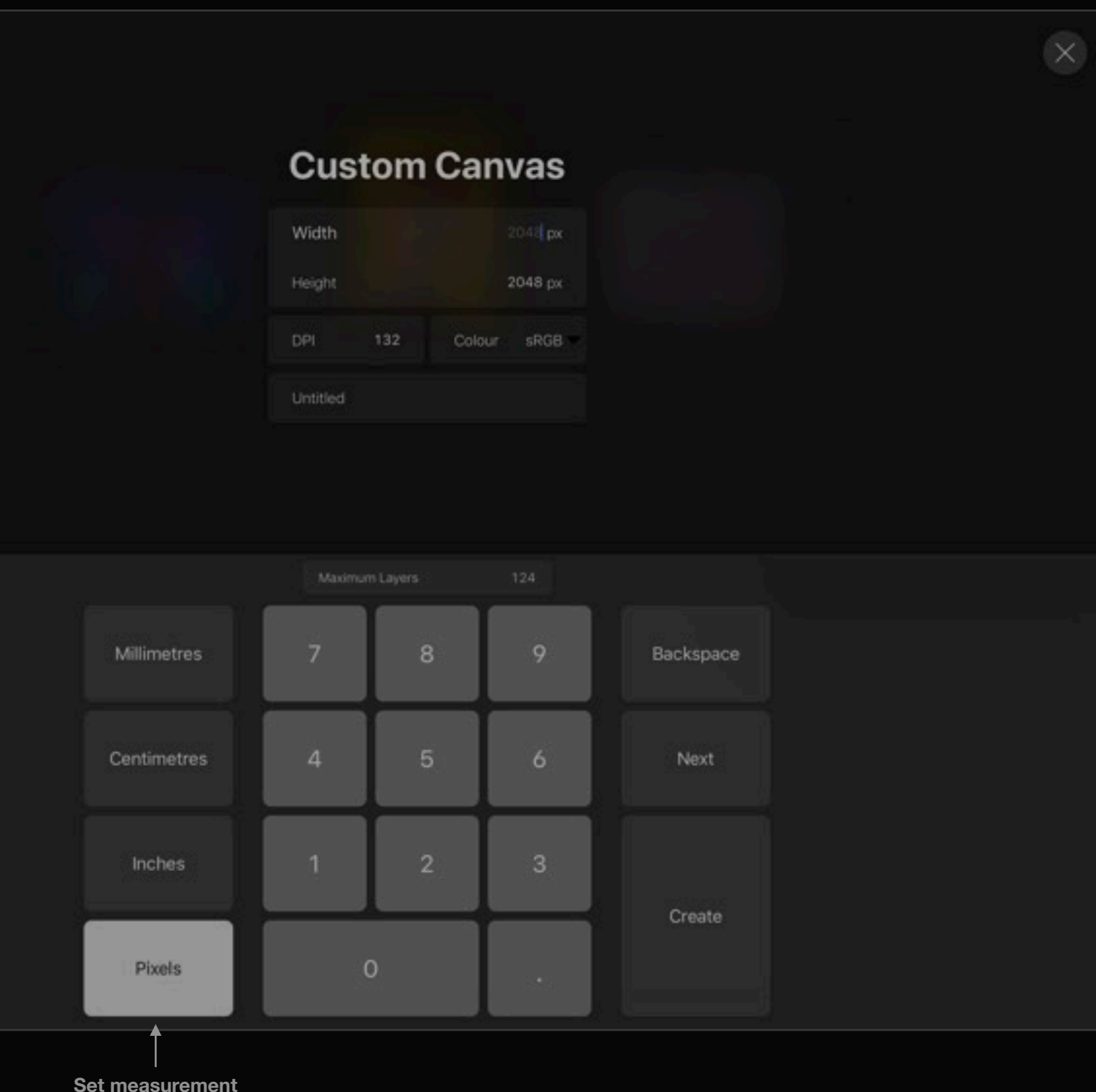
Just swipe left on a canvas to Edit or Delete it.

Editing saved canvases

Tap the Edit button to be taken to the canvas creation interface. Here you can adjust the size of your canvas, change the measurement, or rename it. The Screen Size preset cannot be edited or deleted, and will always remain at the top of the menu.

Pro tip:

The Edit mode is a great way to check the DPI or Maximum Layers of a saved canvas size.



Create a custom size

When preset sizes don't suit the job, create your own!

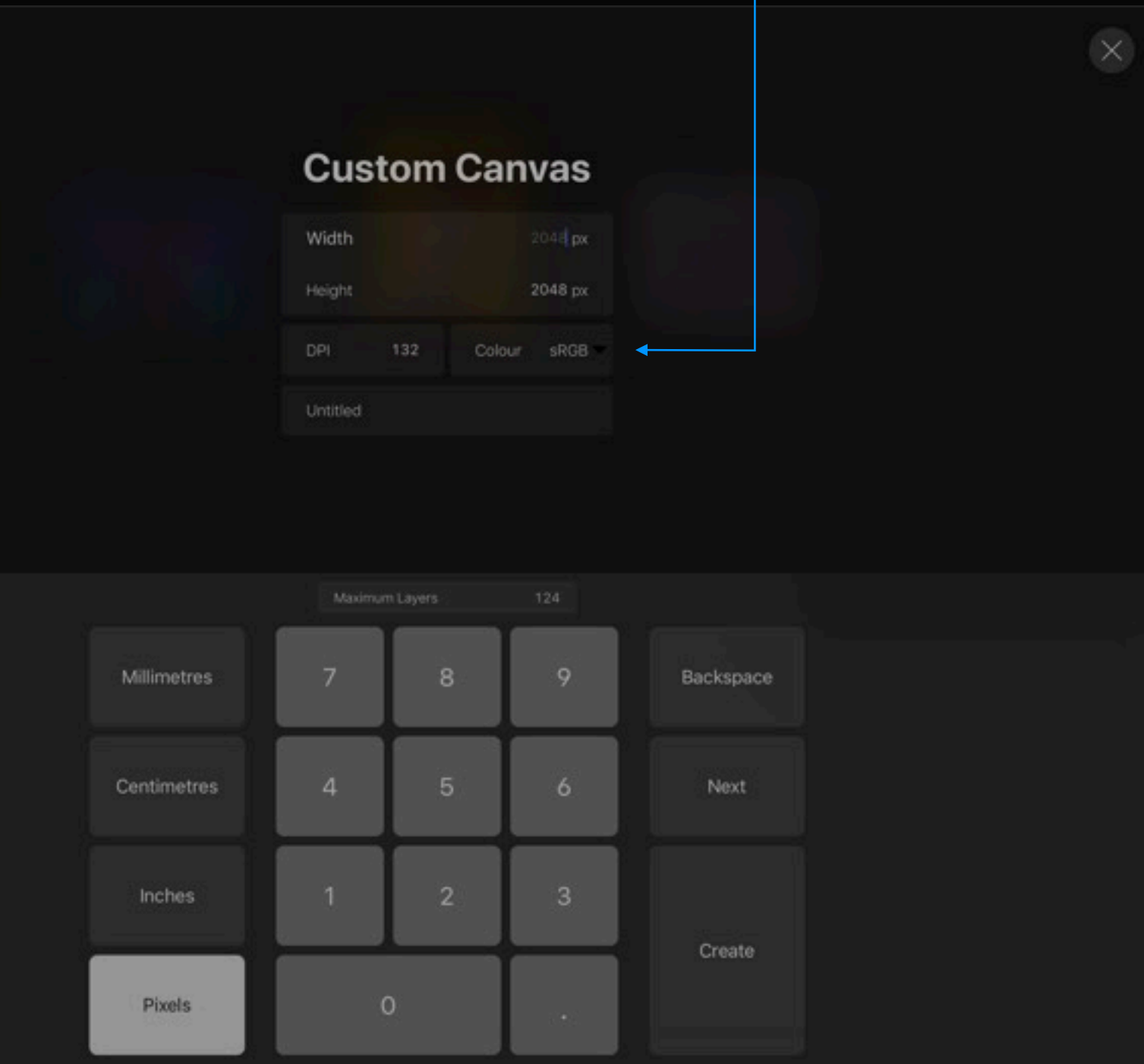
Choose a measurement on the left of the keypad, then just tap on the Width or Height readouts and enter a new value. You can also adjust the DPI and name your canvas before you create it.

Canvases can be anywhere between 1 x 1px and a whopping 16K in one direction, depending on your iPad model. Keep in mind that the larger the canvas size, the fewer layers you will have to play with.

Pro tip:

Experiment with different shapes to create dramatic effects such as an extreme panorama, tall-skinny, or square.

Tap to select canvas color profile



Choose P3 or SRGB

Create a canvas in wide color.

If you're using a P3-compatible device, you can also choose between sRGB or P3 Wide Color when creating your canvas. A P3 canvas allows you to use extremely saturated greens, reds, and oranges.

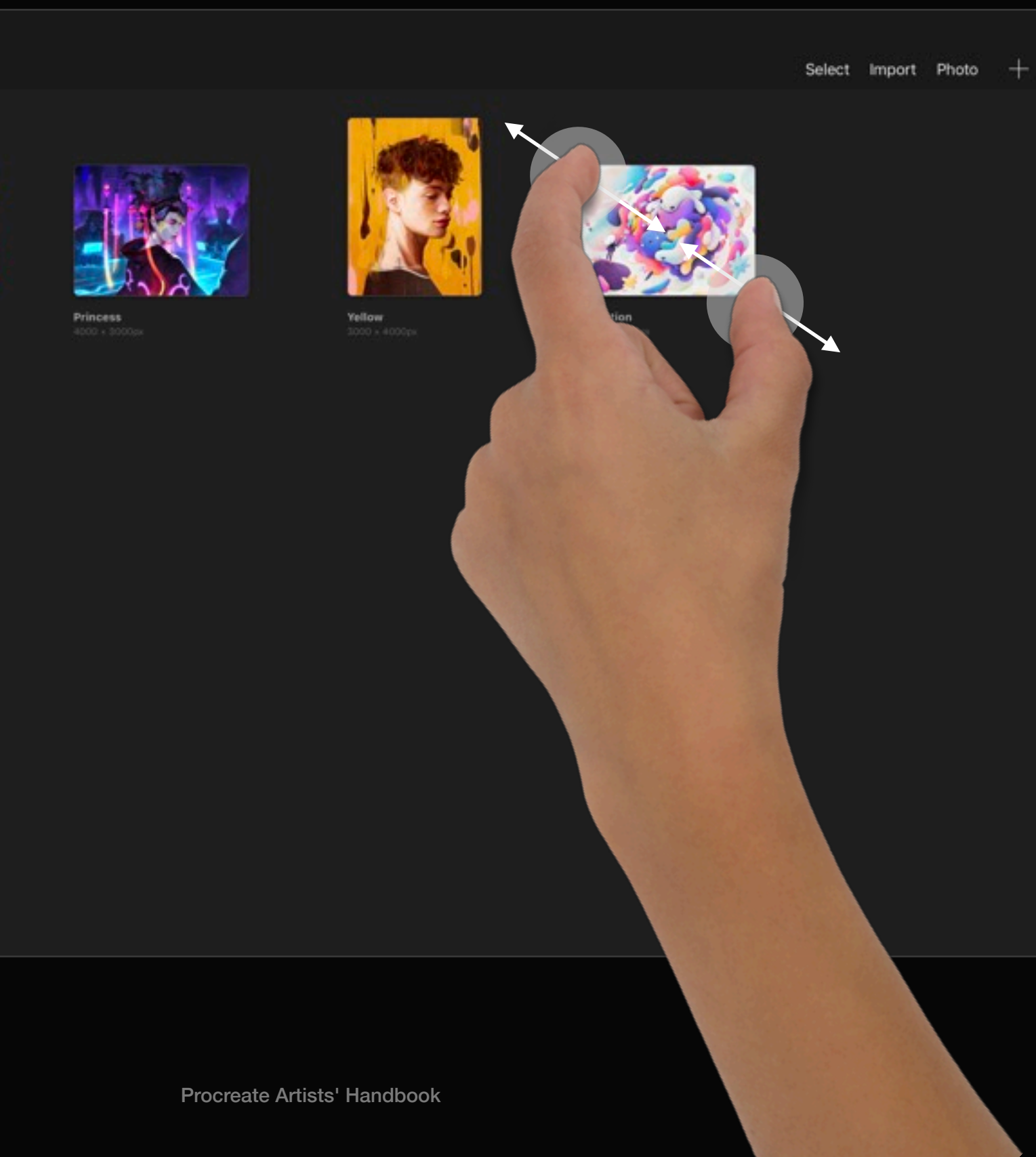
Pro tip:

P3 Color is fully supported in export and import, allowing you to carry your wide color artworks across multiple devices.

Section 2

Previewing Artworks

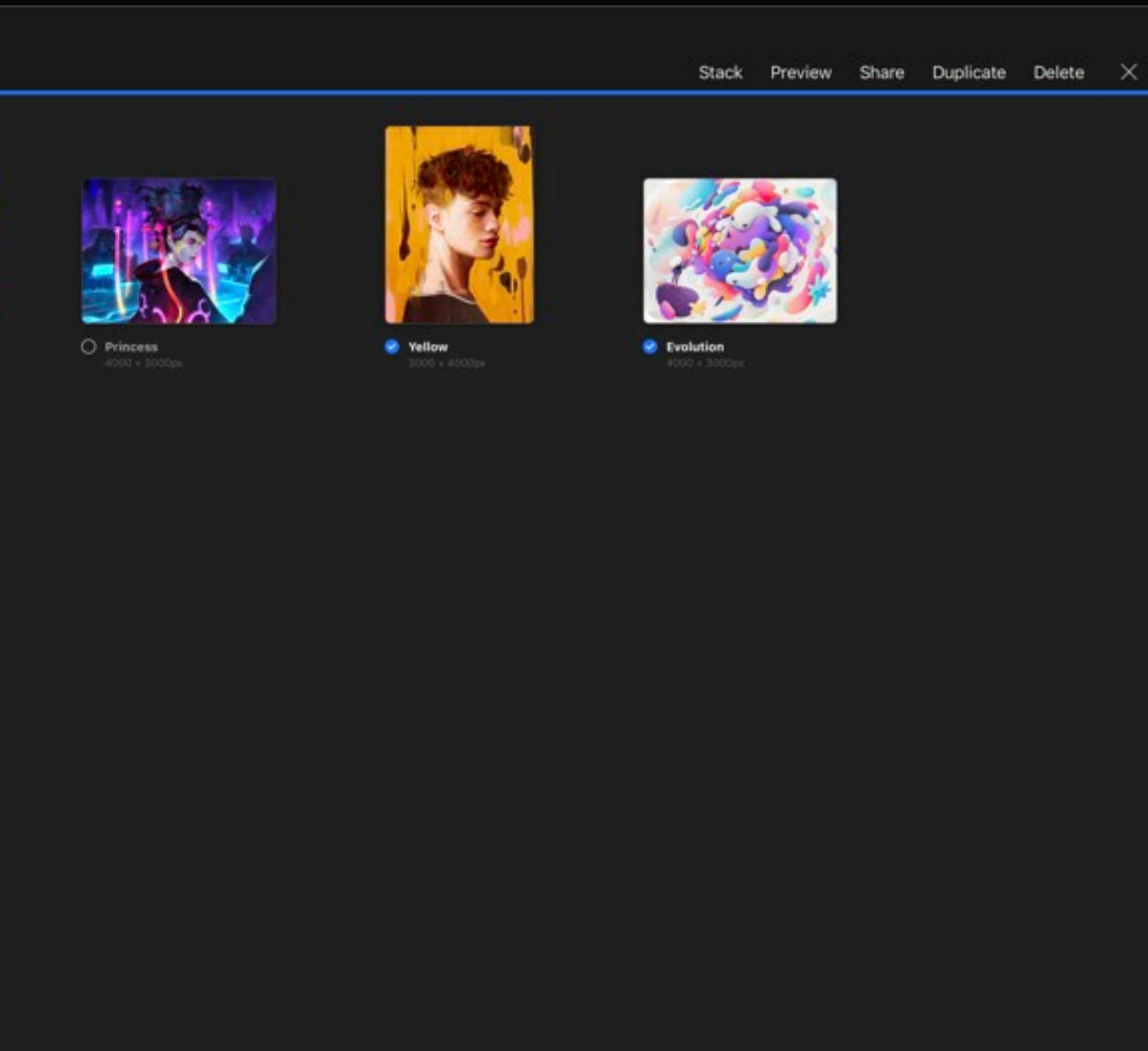
View artworks in full screen and swipe through artworks in a Stack or selection, all without leaving the Gallery.



Pinch to Preview

Simply pinch any artwork outward to preview it.

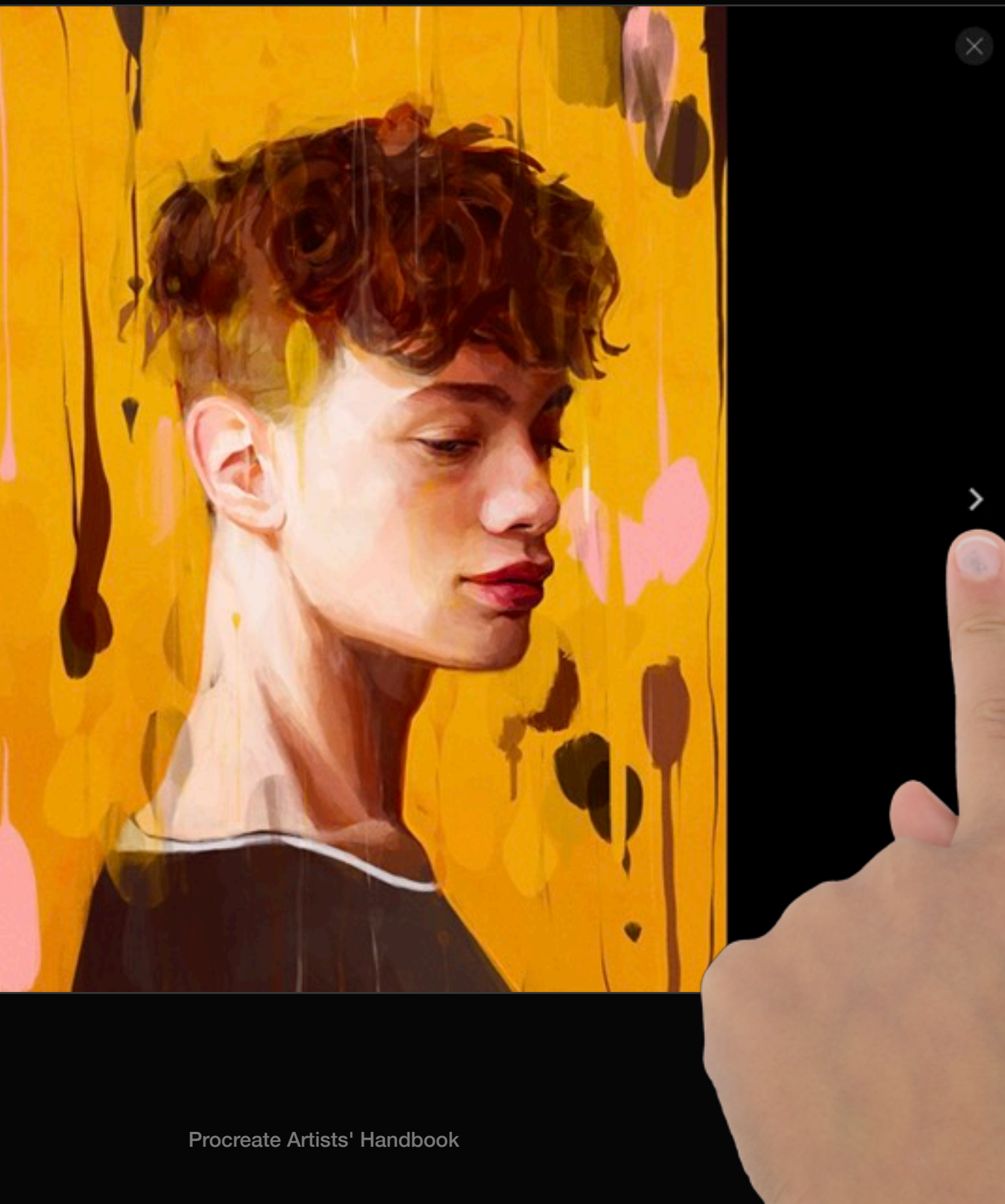
Once you're in Preview mode, you can pinch inward to dismiss, tap to invoke progression arrows, or double-tap to open the canvas.



Preview by Selection

Preview multiple specific artworks by selecting them.

Use the Select option in the Gallery toolbar to select one or more artworks, then tap the Preview button to enter Preview mode, beginning with the selected artwork that's closest to the top of the Gallery or Stack.



Swipe or tap through artworks

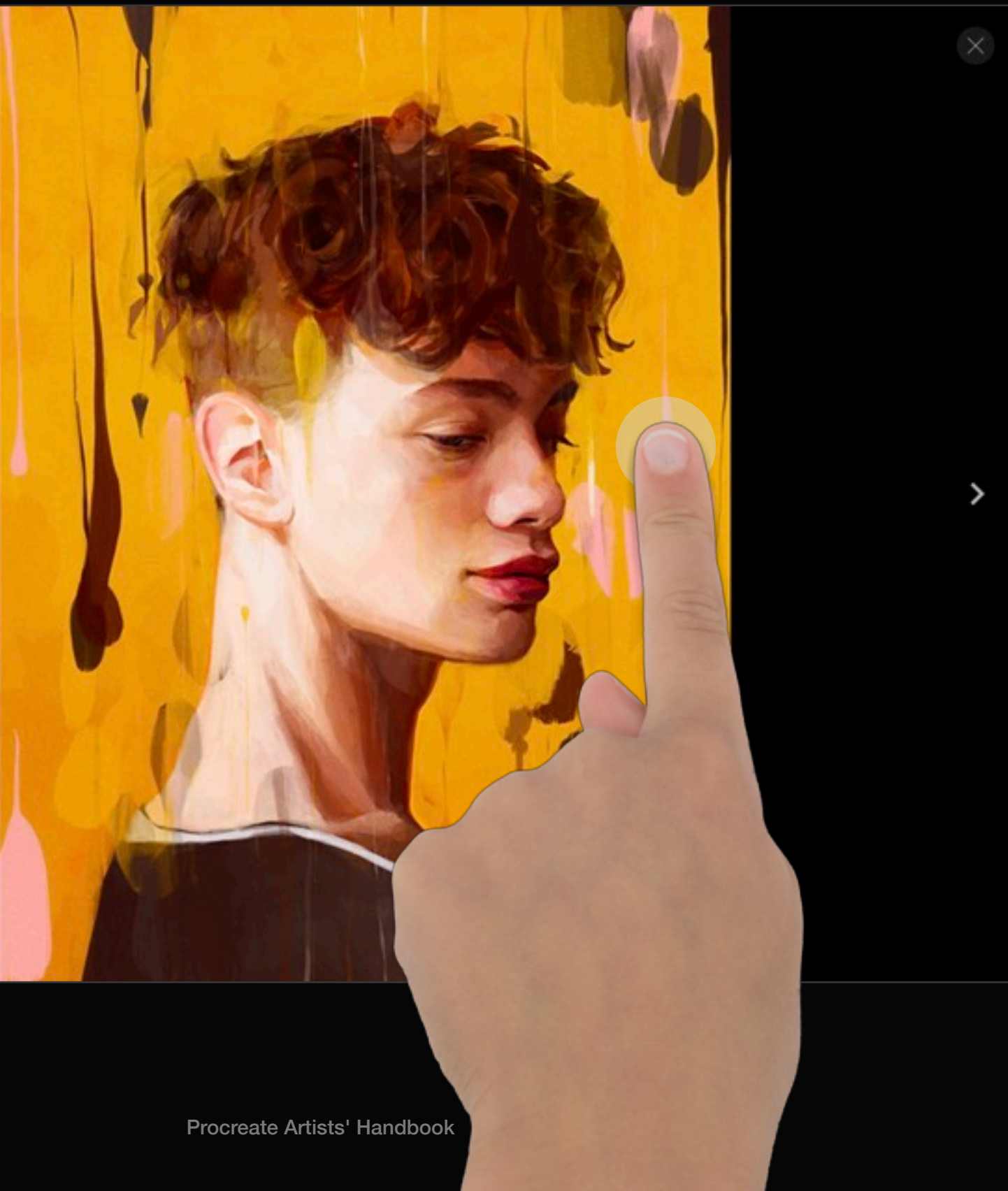
Swipe left or right or tap the left or right edge to flick through the artworks in your Gallery or Stack.

Swiping to the left or right will animate to the next or previous canvas, respectively. Tapping on the preview once will toggle the appearance of arrows on the left and right edges of the preview. Tap these arrows to instantly progress to the next or previous canvas.

If you've used Select mode, then only your selected canvases will be previewed.

Pro tip:

You can tap the edges of the preview to switch canvases, even if the progression arrows are hidden.



Open from Preview

Once in Preview mode, double-tap the artwork to open it.

Rapidly tap twice on the preview with one finger to load the canvas and begin painting.

Section 3

Import files and photos

Learn how to import an image to create a new canvas, including using Drag and Drop to import files easily.

Import from Files app



Select Import Photo +



Princess
4000 × 3000px



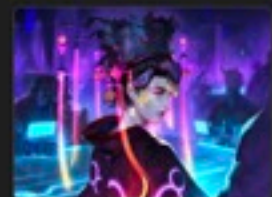
Yellow
3000 × 4000px



Evolution
4000 × 3000px

Import from Files

Use the Files app to access any connected location, and just tap a file to import it.



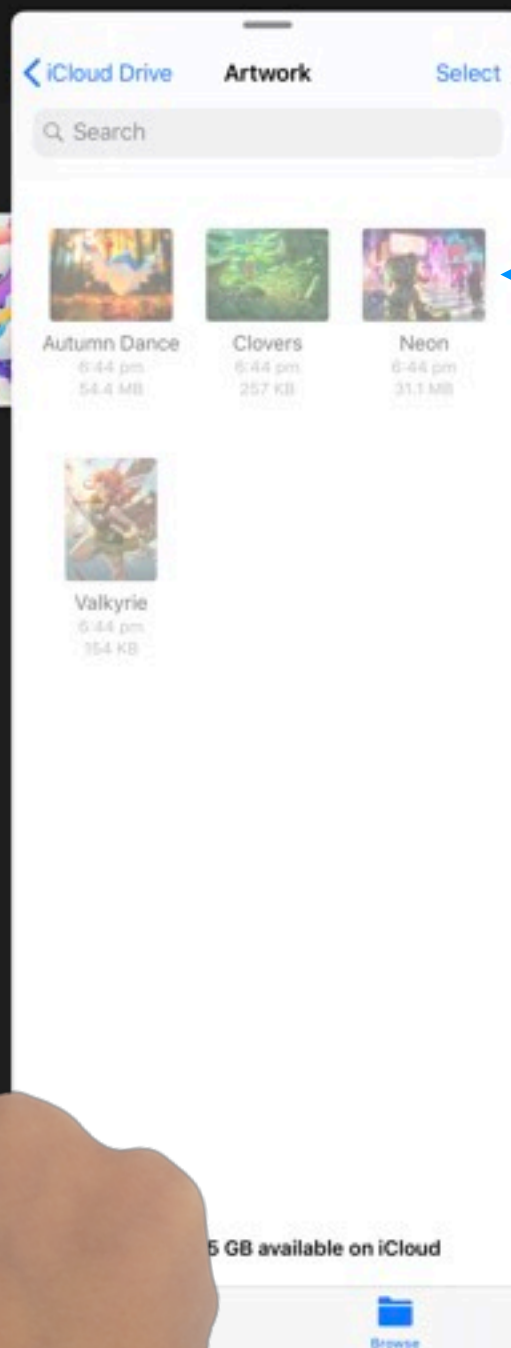
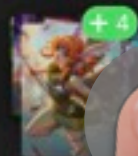
Princess
4000 × 3000px



Yellow
3000 × 4000px



Evolution
4000 × 3000px



Hold to pick up file then
drag into Procreate

Drag and Drop from Files

Just hold on a file to pick it up, and
drag it into Procreate.

Once you've picked up one file, simply tap other
files to add them to the stack and drag them all
in at once.

Import from Photos



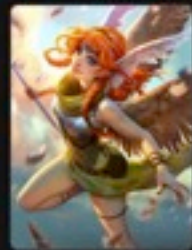
Select Import Photo +



Clovers
4000 × 3000px



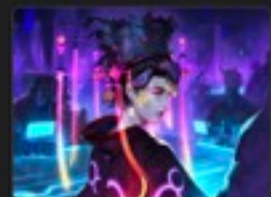
Neon
2732 × 2048px



Valkyrie
3967 × 4272px

Import from Photos

Create a new canvas by importing an existing artwork or image straight to your Procreate Gallery.



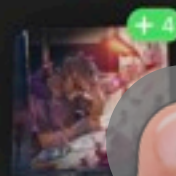
Princess
4000 × 3000px



Yellow
3000 × 4000px



Evolution
4000 × 3000px



Hold to pick up a photo,
then drag into Procreate

Drag and Drop from Photos

Just hold on a photo to pick it up,
and drag it into Procreate.

Once you've picked up one photo, simply
tap others to add them to the stack and drag
them all in at once.



Supported file types

Procreate supports most major image formats and two layered file types for import.

Importable file types include JPEG, PNG, PSD, TIFF, and the native .procreate format.



Adobe® Photoshop® PSD Import

Import your layered PSD files to move easily between Procreate and other applications.

Bring even more flexibility to your workflow with PSD import:

- AirDrop PSD files straight into Procreate
- Procreate will preserve locked layers, layer groups, and more
- Compatible filters and layer blend modes are all imported
- Vector and text layers are rasterized and imported
- Drag and Drop PSD files straight into Procreate

Section 4

Organizing artwork

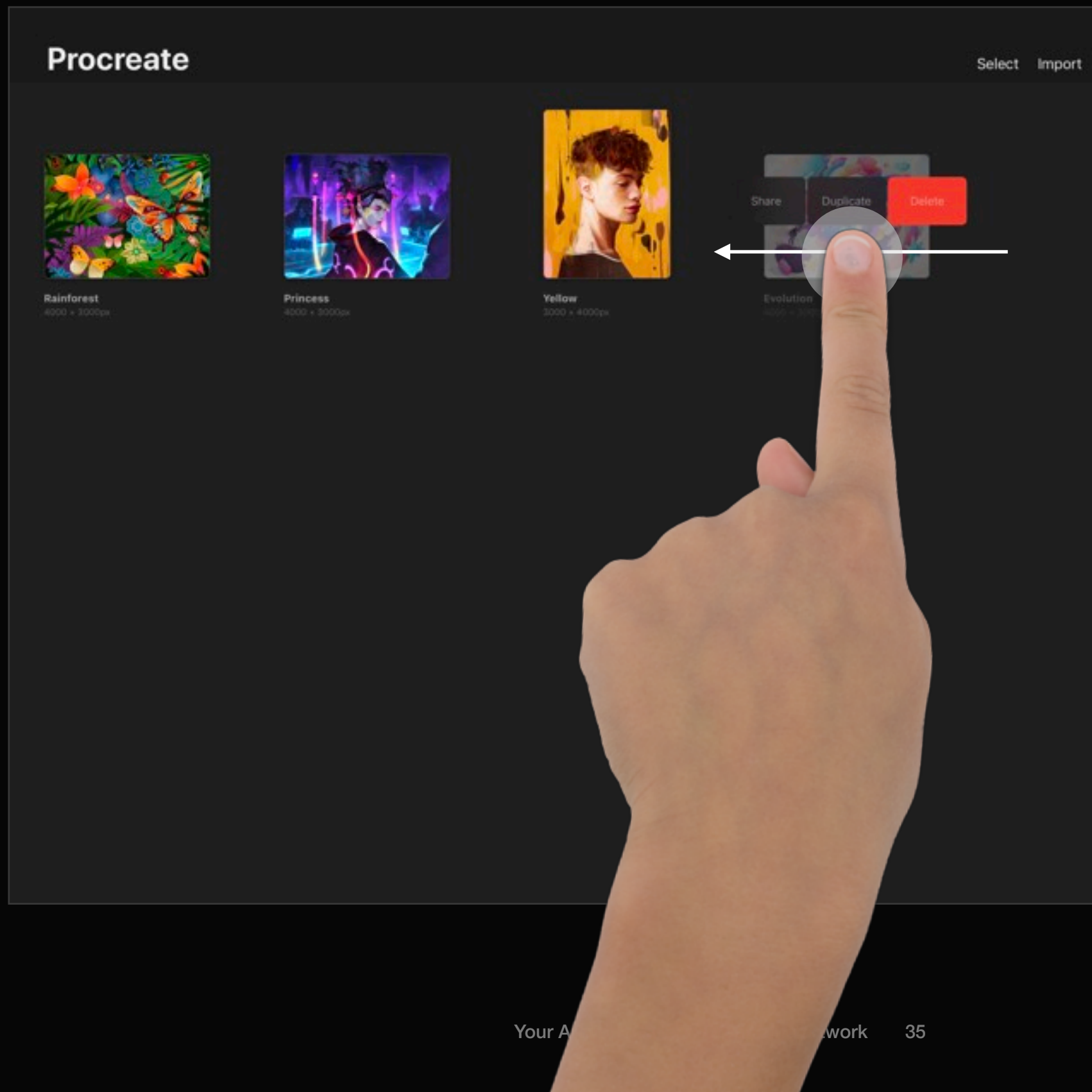
Create order from chaos with Procreate's simple yet powerful artwork Gallery. Use Stacks to keep your artwork tidy and improve your workflow.

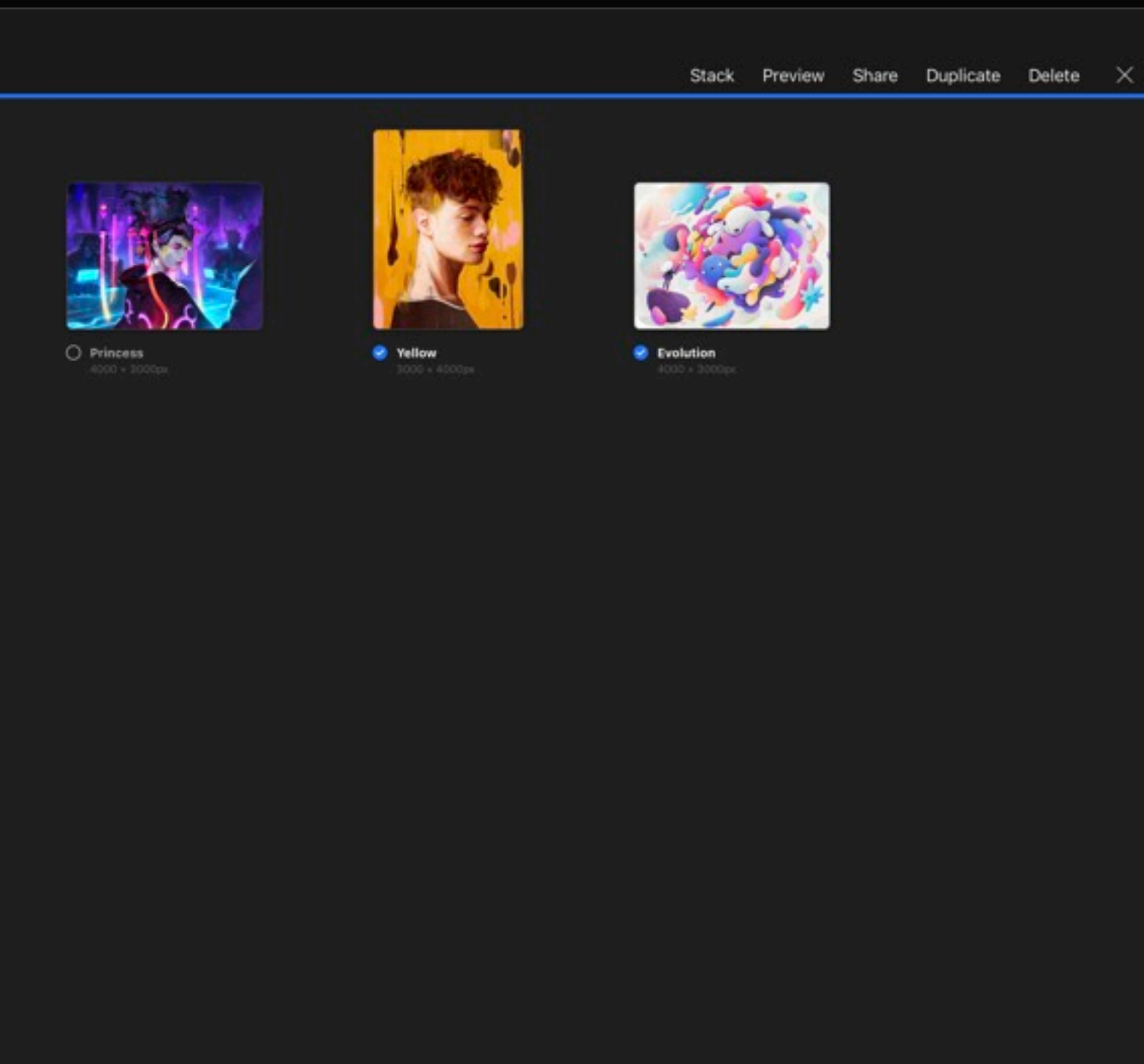
Single action

Swipe a thumbnail to the left to reveal actions.

The single action gesture allows you to share, duplicate, or delete an artwork quickly.

See page 45 for more about artwork sharing.





Bulk Actions

Tap the Select button to enter multiple selection mode.

Bulk actions save you time when you need to share or delete more than one canvas simultaneously.

To carry out bulk actions, simply tap the Select button, and tap canvases to select them. Successfully selected artworks will display a blue tick. Once you've selected multiple artworks, you'll be able to use the buttons in the toolbar to Share, Duplicate, Delete, or combine them into a new Stack.

You can also tap and hold on an artwork to pick up all currently selected artworks and Stacks and rearrange them in your Gallery.

Pro tip:

When in Select mode, drag your finger to quickly select multiple artworks.

See page 40 to learn more about Gallery Stacks.

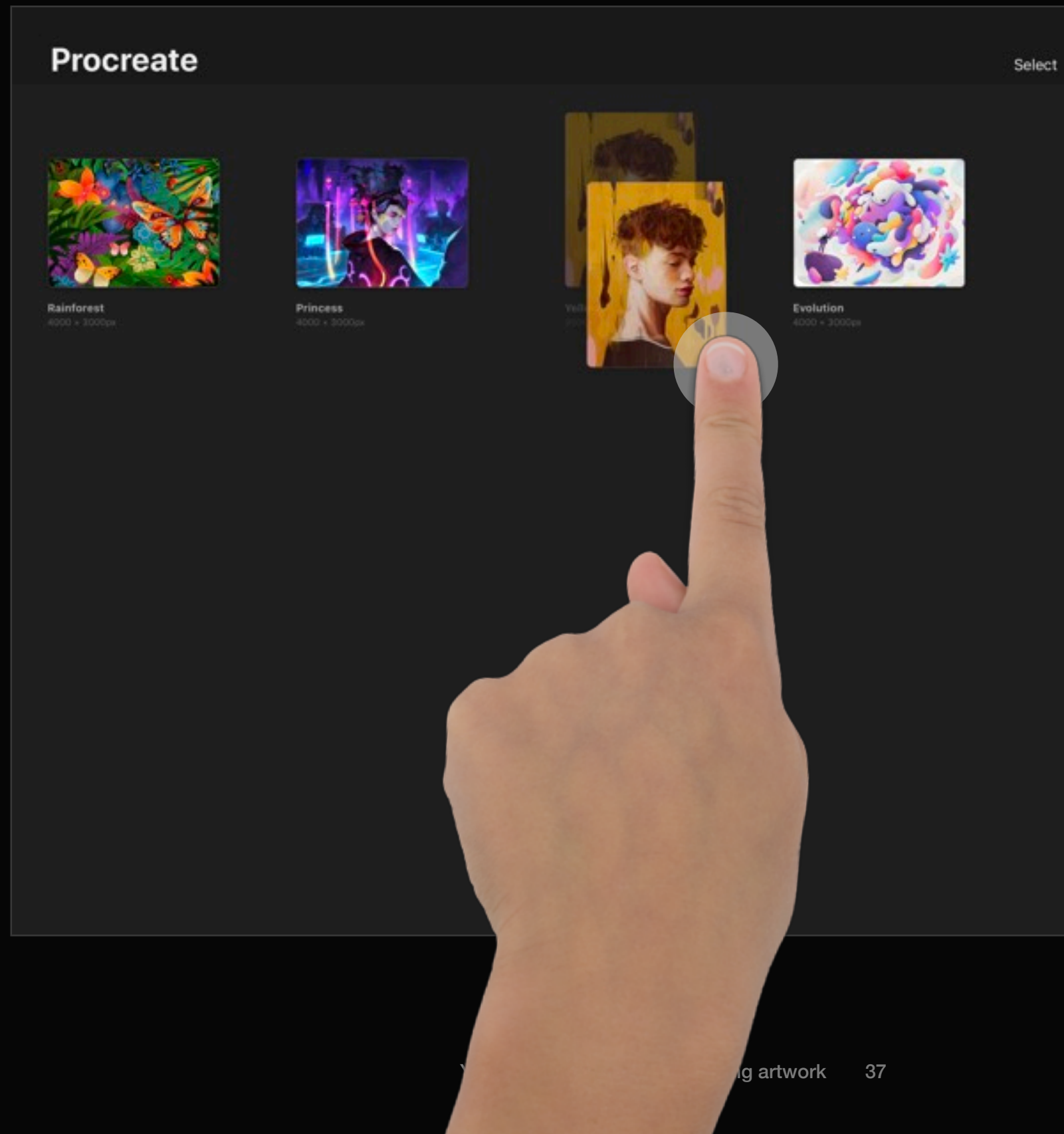
Rearranging artwork

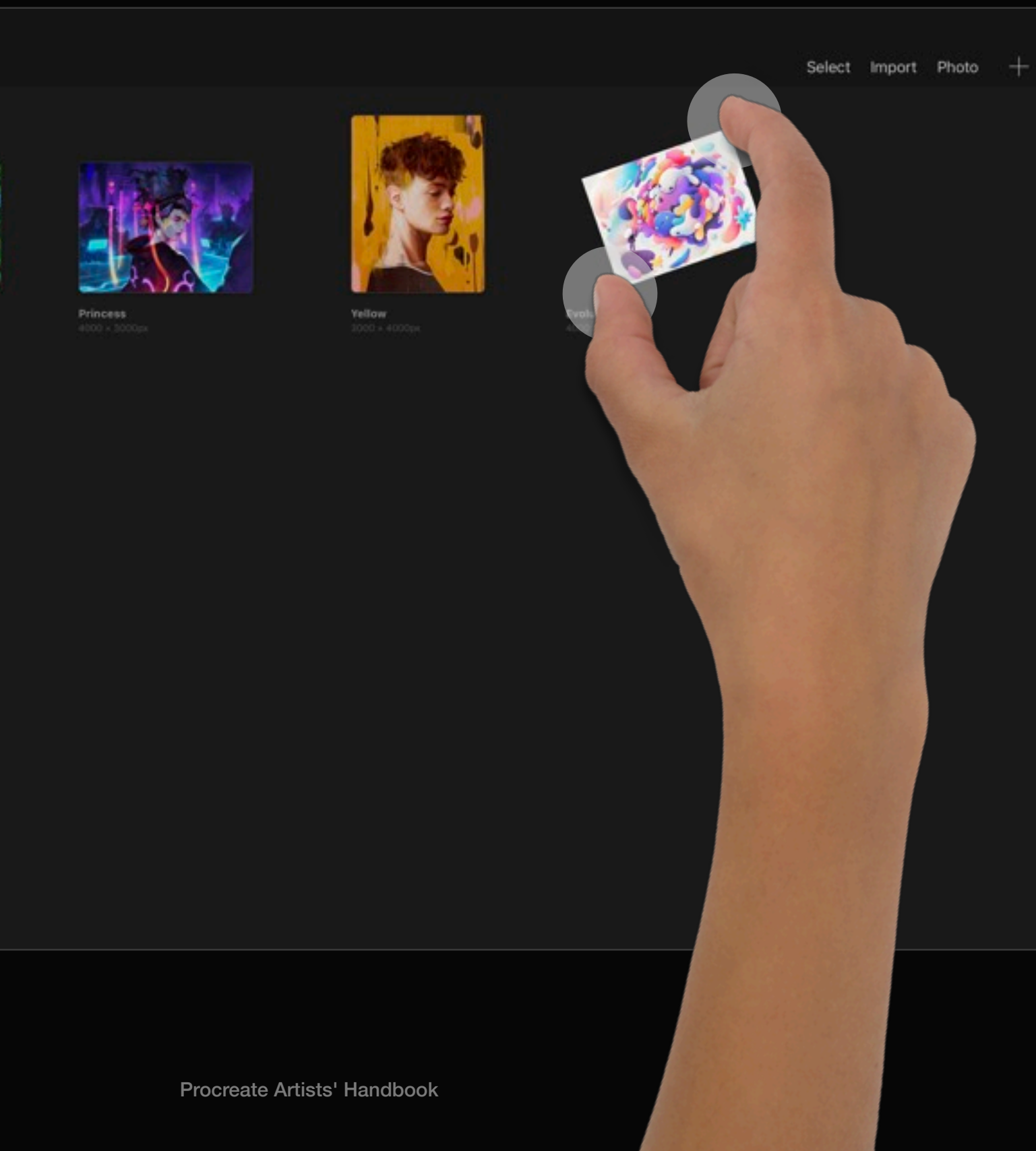
Keep your Gallery layout exactly how you like it.

Moving artwork around is a snap. Just tap and hold on a thumbnail to lift it out of the grid, then simply move the thumbnail to your desired location and drop it.

Pro tip:

You can also move multiple items at once by picking up one canvas, then tapping others to pick them up as well.



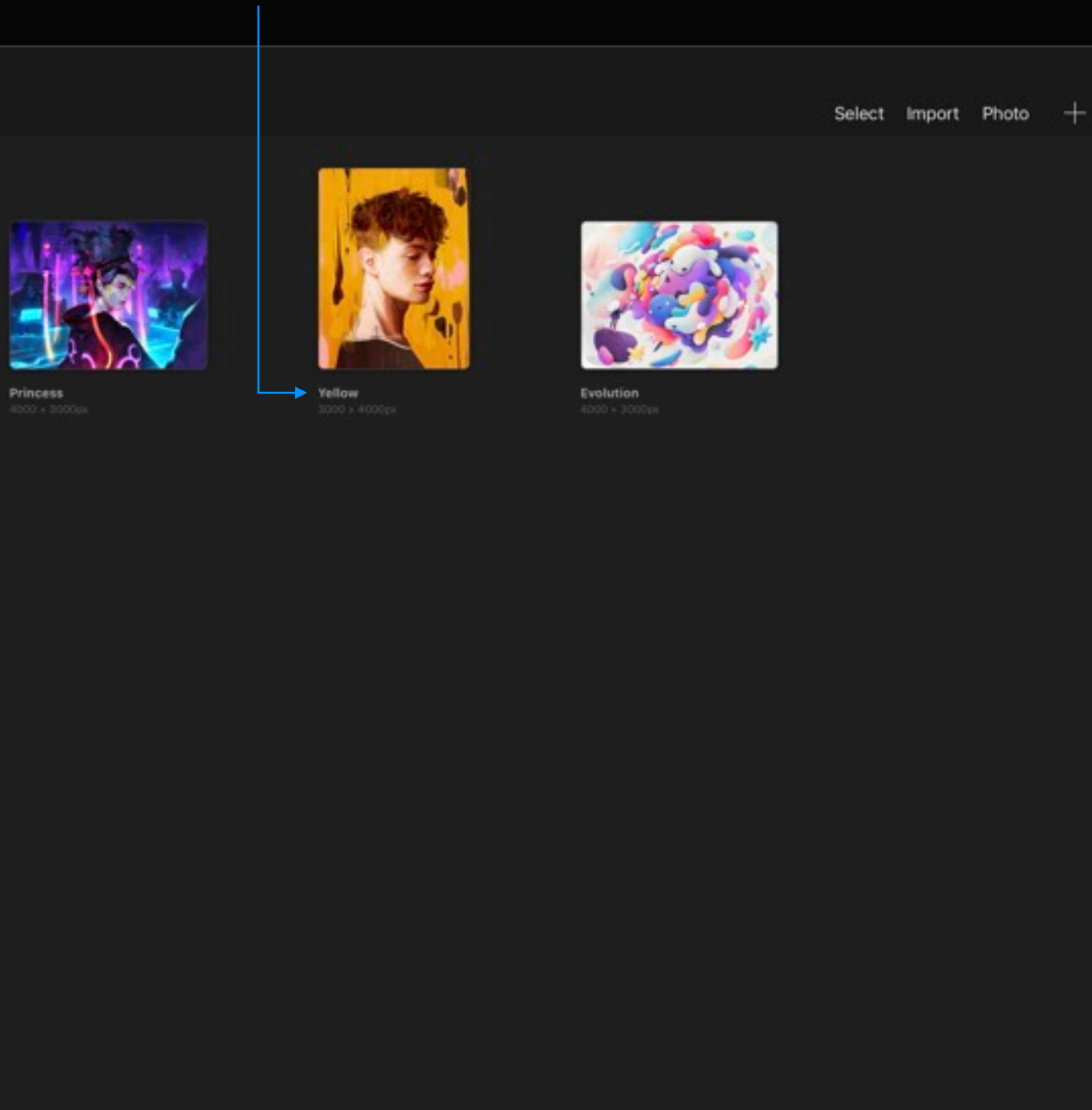


Orientation

It's easy to change the orientation of a canvas after you've created it.

If your artwork is sitting on its side or upside down, simply hold two fingers on the thumbnail and rotate until your artwork is the right way up.

Tap title to edit



Renaming artwork

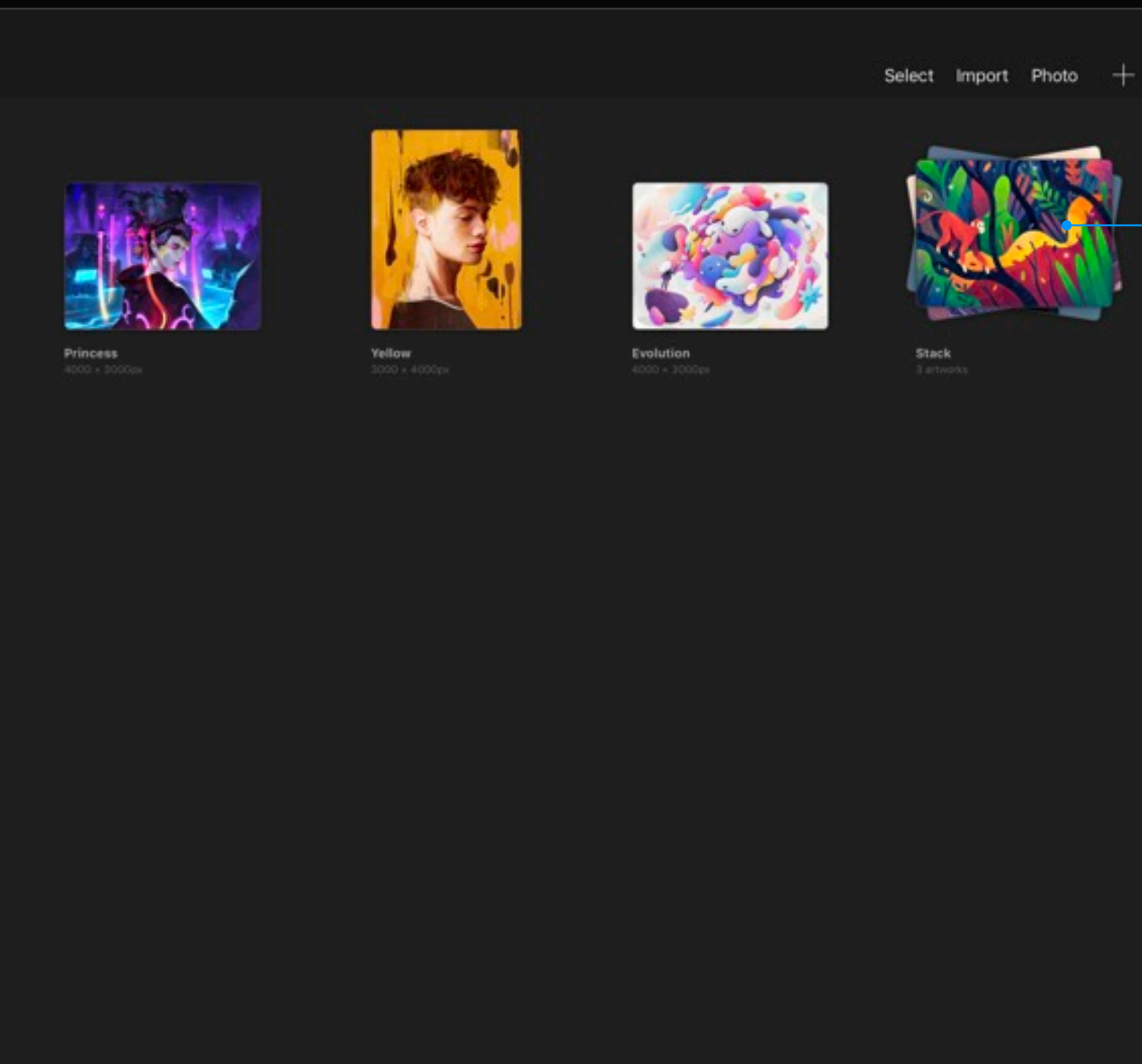
Capture the subject of your artwork with the perfect name.

Tap the title in the artwork's thumbnail to bring up the keyboard. Until you edit an artwork's title, it will be called "Untitled Artwork".

Section 5

Gallery Stacks

Grouping artwork is another great feature of Procreate's Gallery. Stay on top of your Gallery by learning how to make and name Stacks.

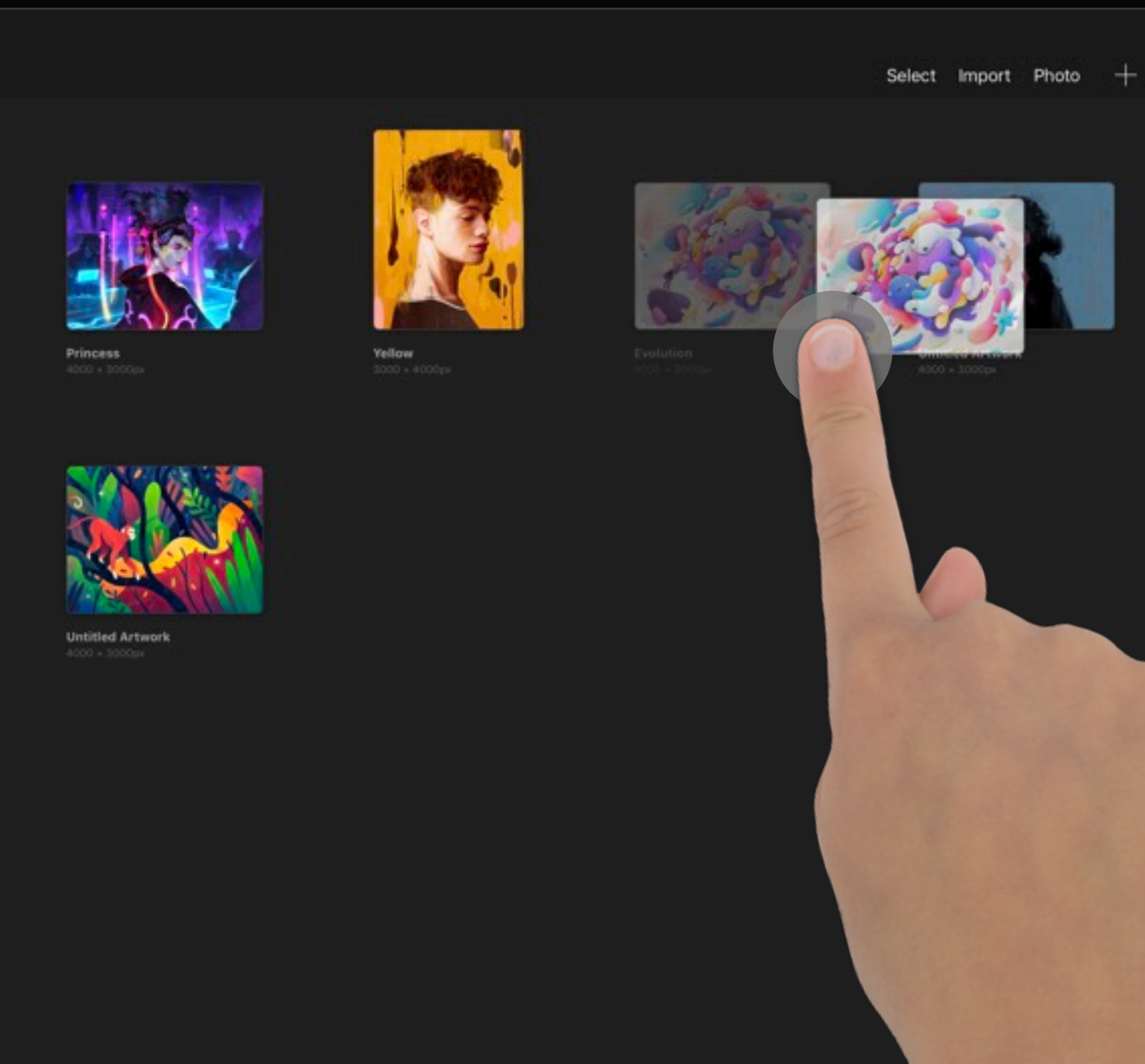


Gallery Stack

Gallery Stacks

Keeping artwork arranged in Stacks can be very handy for creatives on the move.

Stacks can be easily identified by a set of layered thumbnails.



Creating a Stack

Stacks are a great way to combine artworks and stay organized.

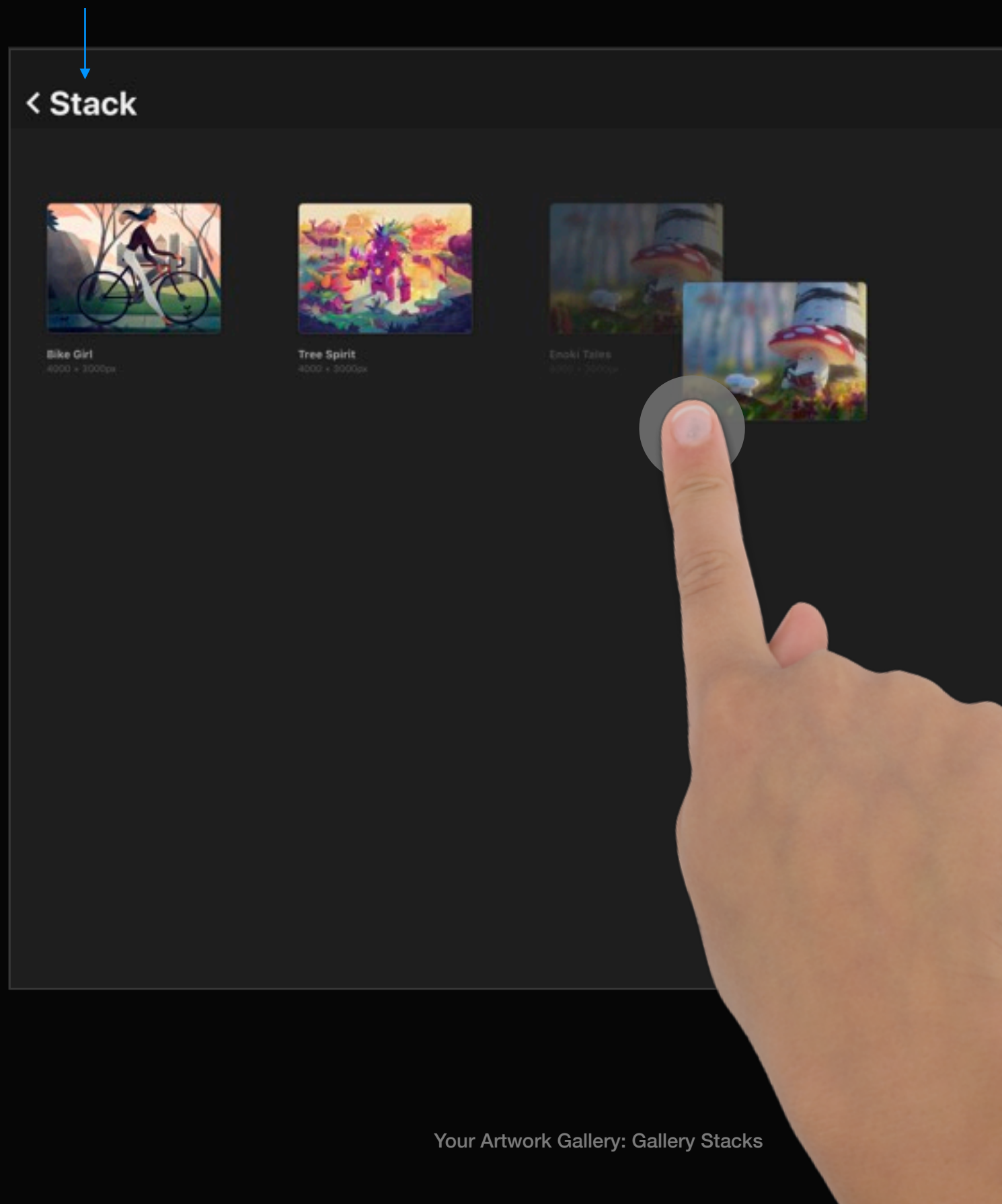
You can create a Stack in two different ways. In Select mode, tap multiple artworks to select them, then tap the Stack button. Alternatively, simply drag one or more artworks, and hold them over another canvas to spring into a new Stack.

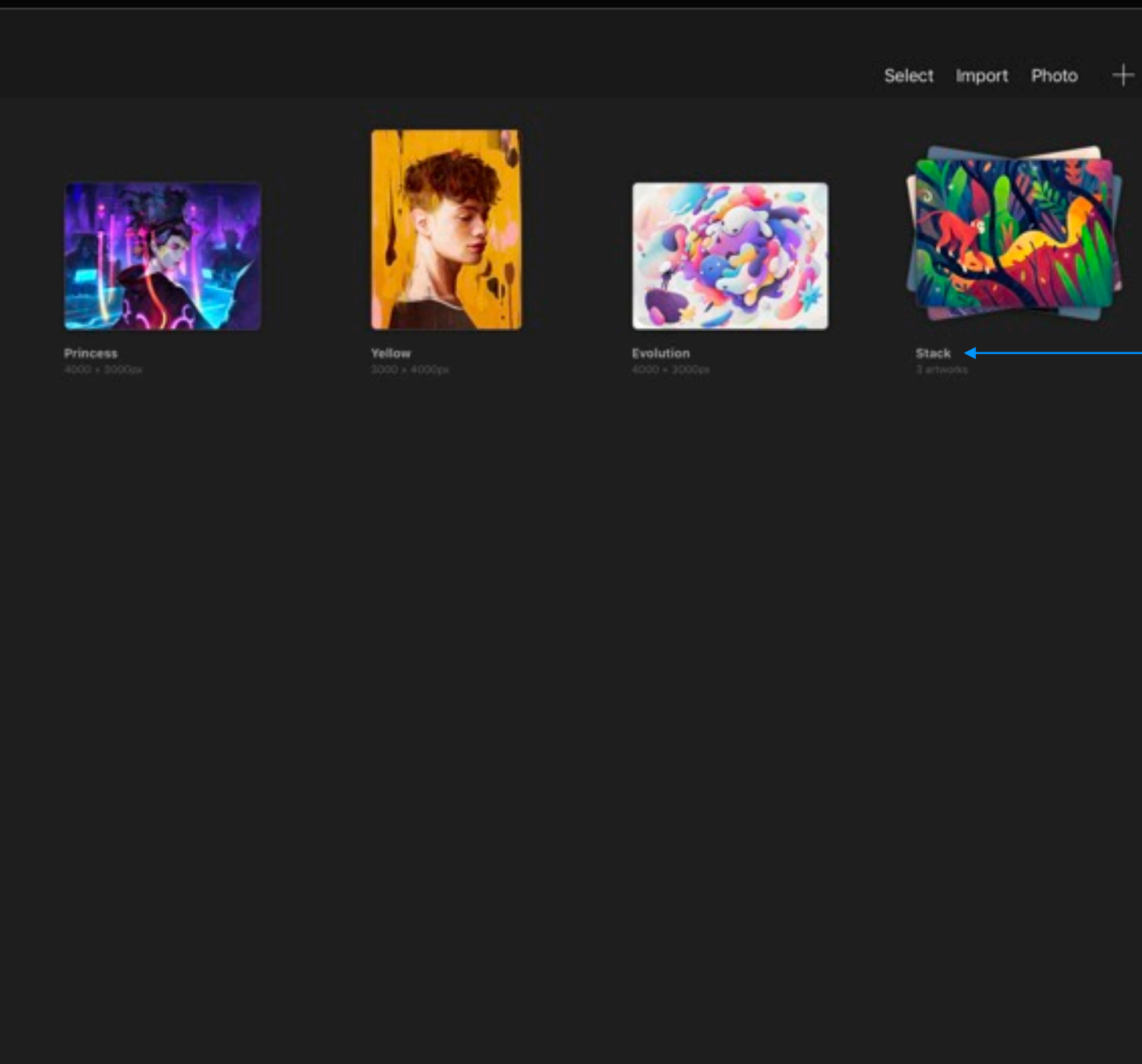
Moving artwork out of a Stack

A Stack doesn't have to be permanent. It's just as easy to move art out of a Stack as it is to move it in.

To move artwork out of a Stack, pick up one or more artworks, tap the Stack return button with another finger, and drop the items back in the Gallery. Alternatively, hold the items over the Stack return button to bring them back to the Gallery with one finger.

Tap Stack title with another finger





Tap Stack
title to edit

Renaming a Stack

For those big projects, naming a Stack is essential.

Rename the Gallery Stack exactly the same way as you would rename a single artwork: tap the title to invoke the keyboard. It will be titled 'Stack' until you rename it.

Section 6

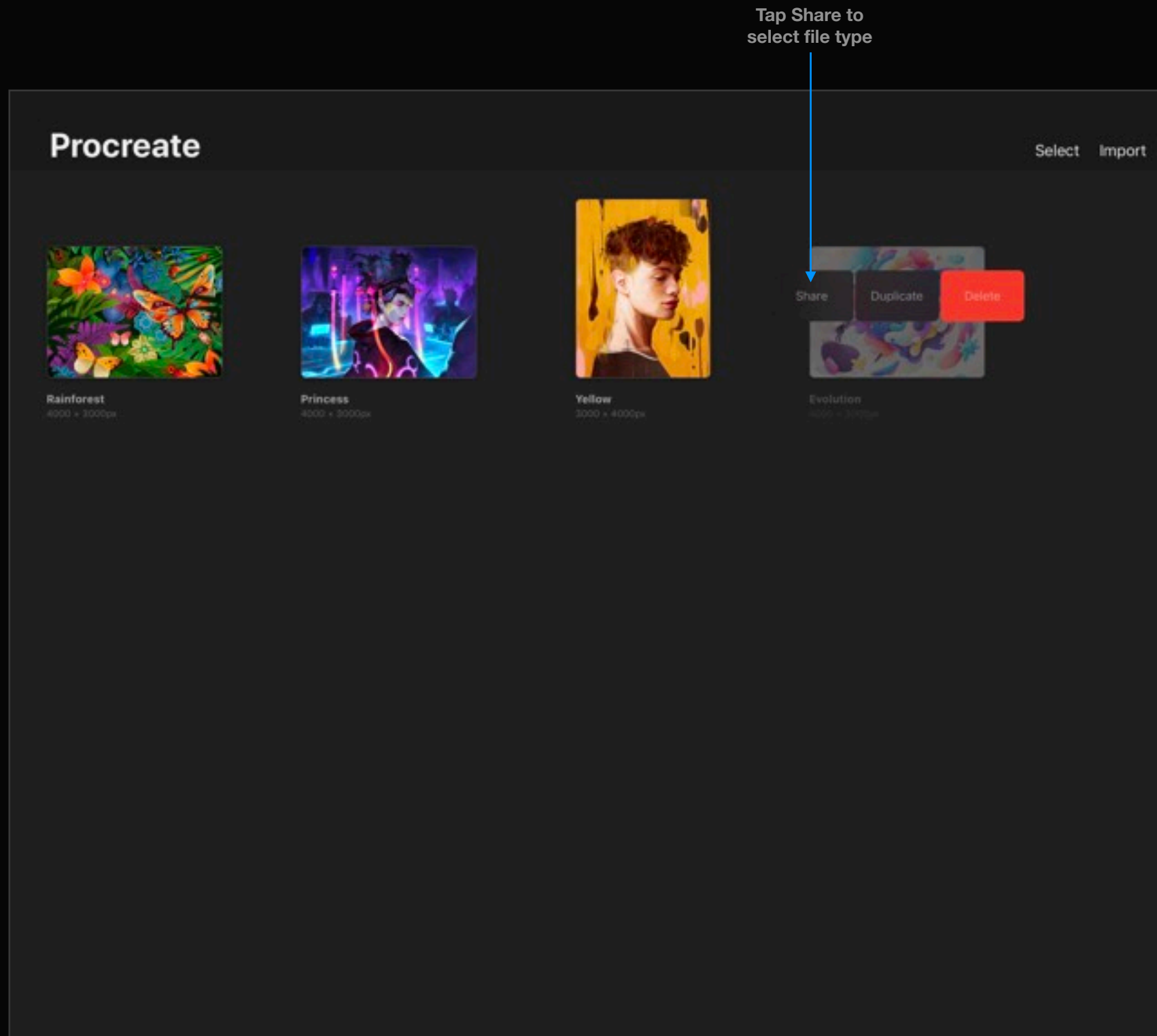
Sharing artwork

Procreate provides several ways to share your masterpieces with clients and colleagues.

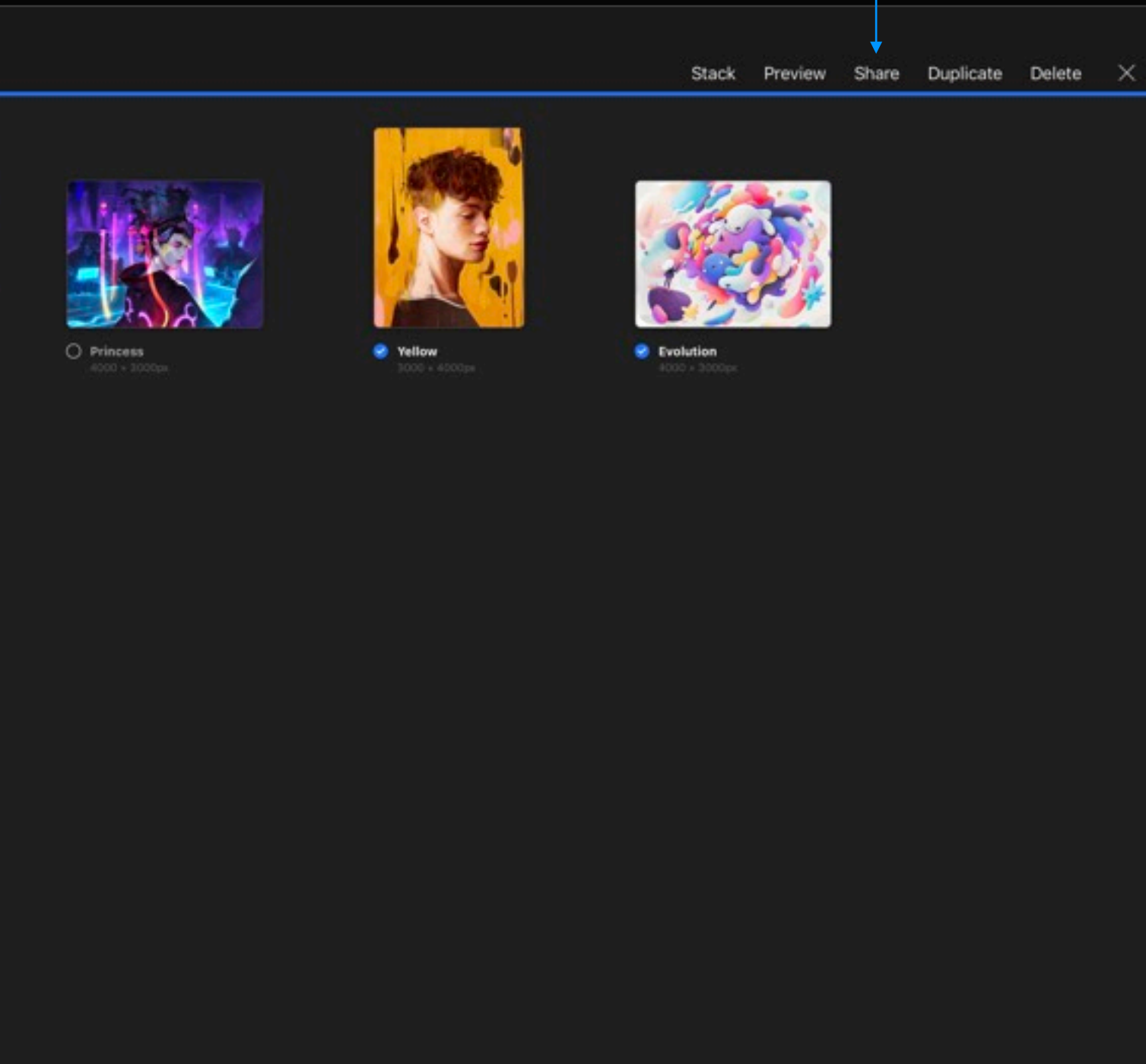
Single Share

Swipe a thumbnail to the left to reveal the Share button.

Tap the Share button on any canvas to select your file format and destination.



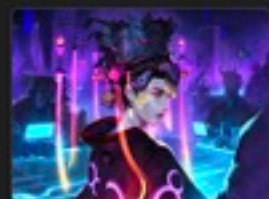
Tap Share to
select file type



Multi Share

Share artworks simultaneously from Gallery Select mode.

Tap the Select button, then tap each artwork to select it. Tapping the Share button in the top of the Gallery will share all selected artworks.



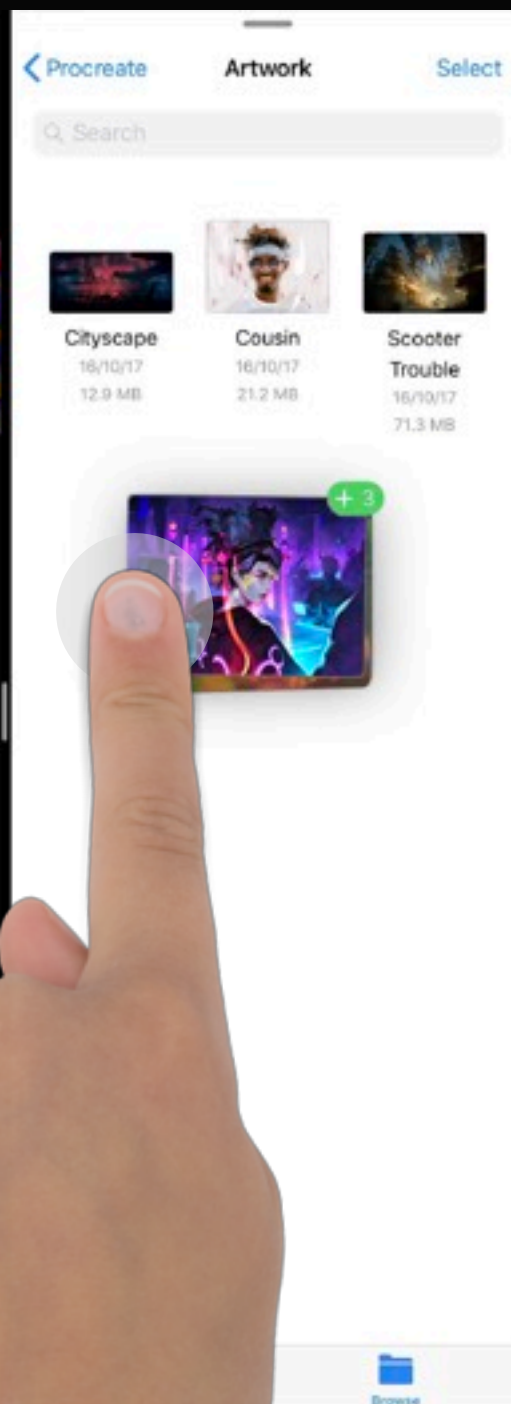
Princess
4000 x 3000px



Yellow
3000 x 4000px



Evolution
4000 x 3000px



Drag and Drop

Drag artworks out of Procreate into any application to export them instantly.

Just pick up artworks in your Gallery and drop them in another app. The file type exported is chosen automatically by the destination app. If the app doesn't request a specific file type, the artwork will be exported as a .procreate or a PNG image, depending on the destination. This can be customized in Procreate's Advanced Settings.

File formats

Procreate features several file formats with varying features suiting different purposes.



Procreate

The native format used for storing all artwork data inside the app. If using the .procreate format, all layer information will be kept intact.



JPEG

A “lossy” format that will flatten your artwork into a single layer. JPEG format is great for quickly sharing an image as the file size is smaller than other formats.



Photoshop®

A standard PSD that will export layers, layer names, opacity, visibility and blend modes exactly as per your Procreate doc.



PNG

PNG will flatten your artwork and retain full quality (we call this “lossless”). While slightly larger in file size, PNG will also save any transparency you have in your artwork.



TIFF

A lossless flat image, the Tagged Image File Format is useful for compatibility with some other applications, and in certain print workflows.

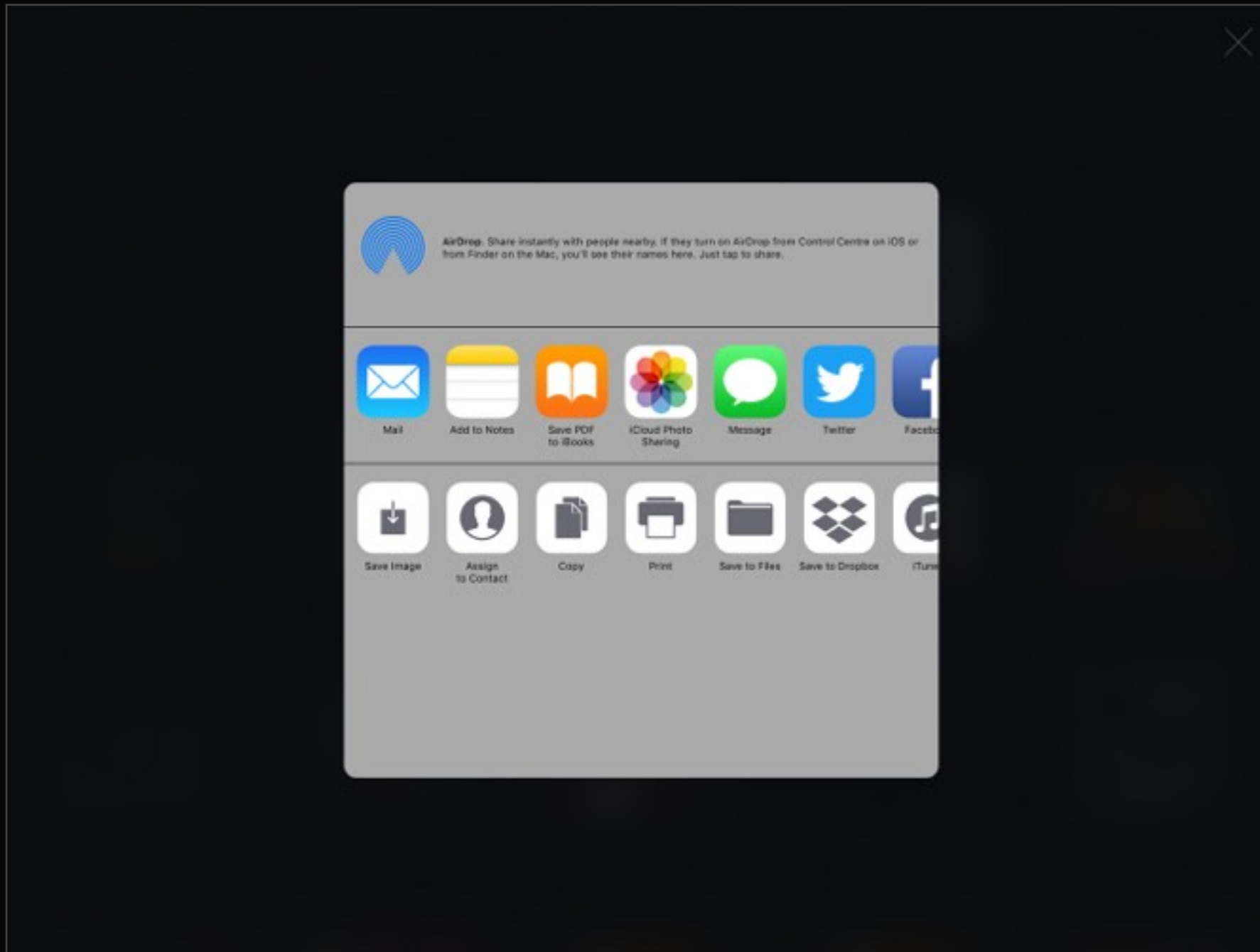


PDF

This format is intended for digital distribution, and is great for sending to print houses and publishers.

Share Destinations

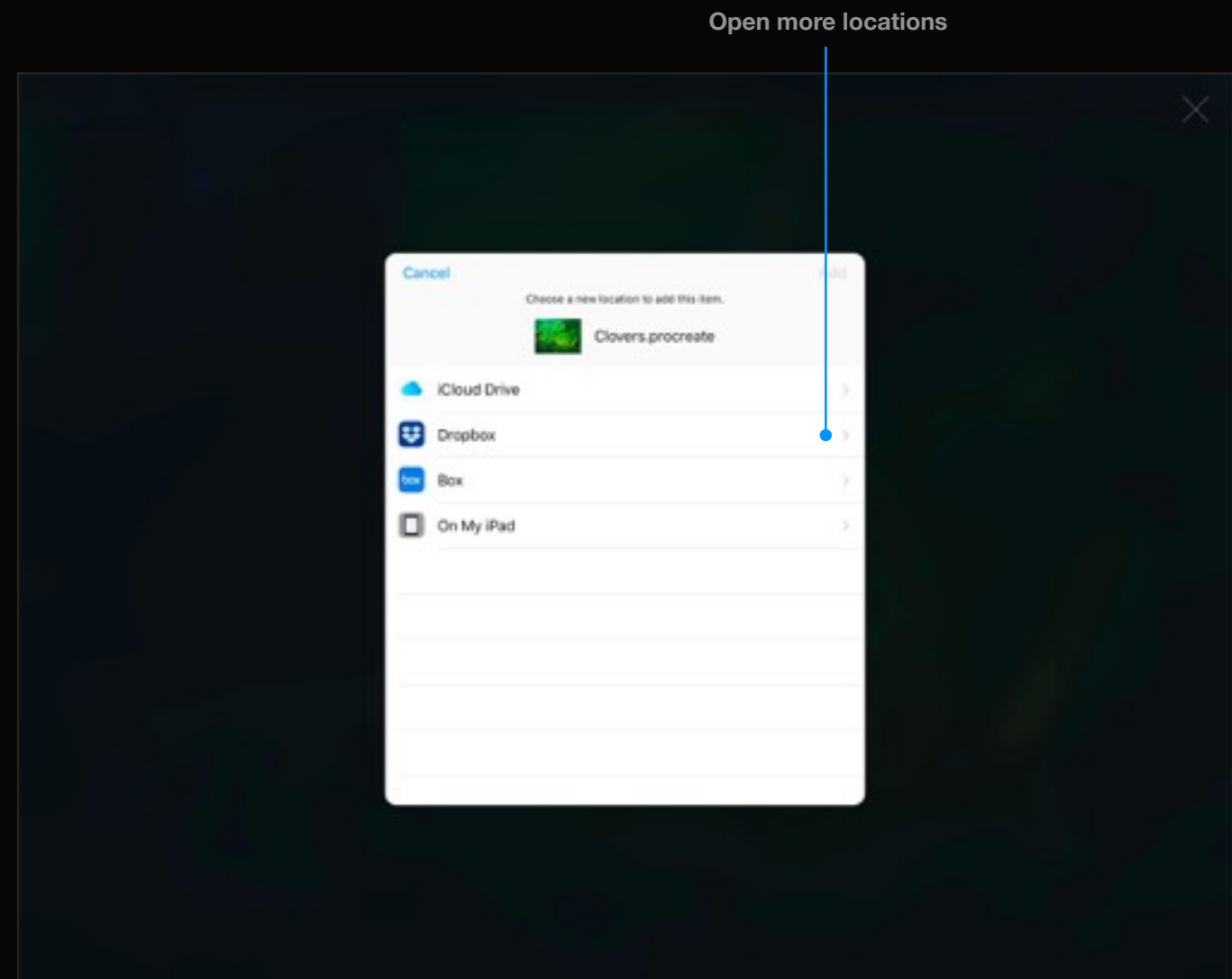
Procreate uses the iOS Sharing system so you can share directly to AirDrop, AirPrint, and any app or service that provides a document extension.



Files app

Access any connected cloud service or save files to your iPad.

Save to Files to export artworks to a cloud service (such as iCloud Drive), or select On My iPad to keep exported files on your device.



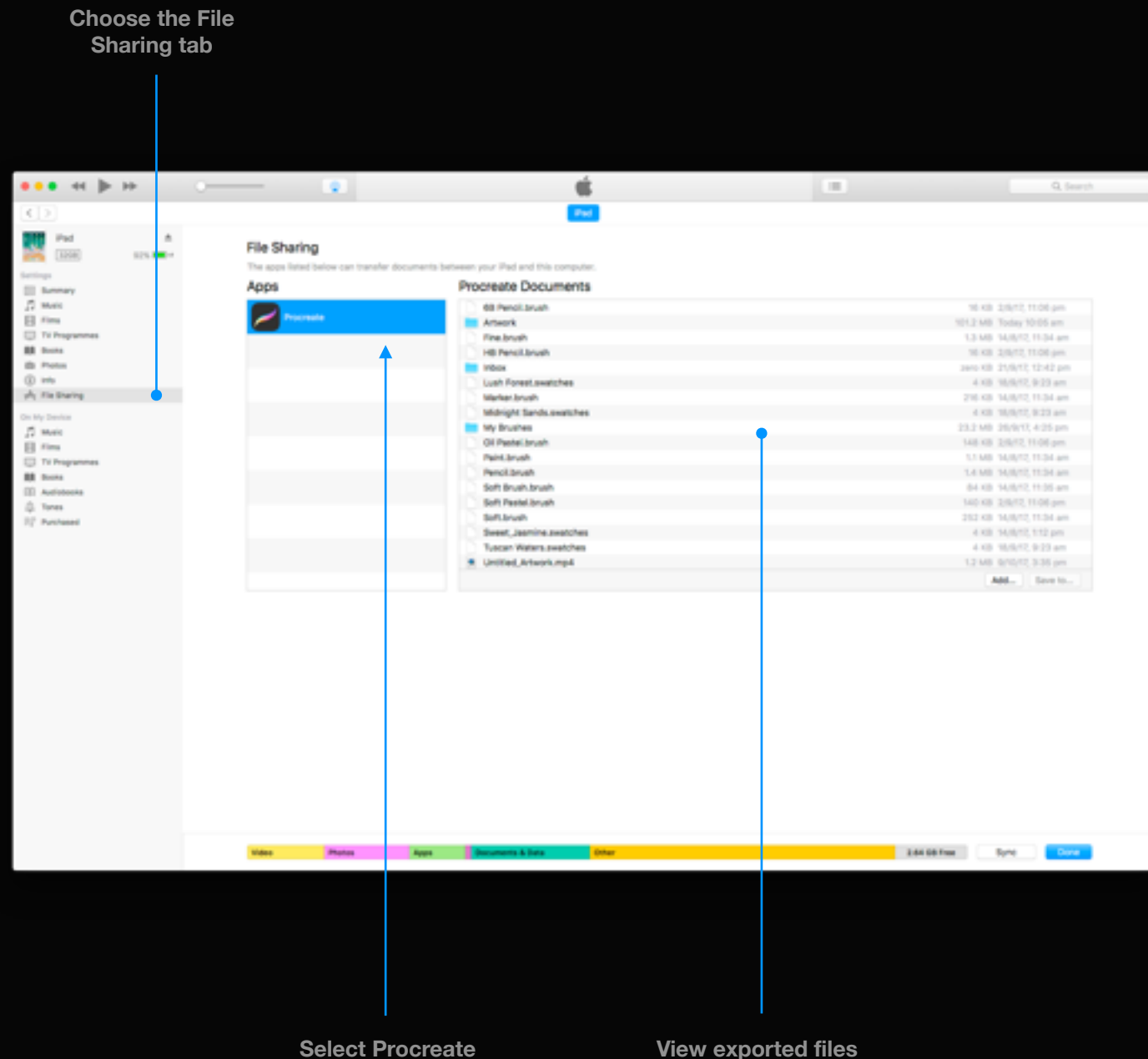
iTunes

Exporting to iTunes is great for speedy transfers and backups to your Mac or PC.

After you've shared your artwork to iTunes, head over to your computer.

- Plug your device in using your cable and open iTunes. Once your device is detected select it on the left panel.
- With your device selected, choose the File Sharing heading from the sidebar.
- You should see a list of apps inside a box. Select Procreate and drag the artwork out of iTunes, or use the buttons to save the artwork to your computer.

You can import a canvas back to Procreate by dropping it back into this folder and using the Create > Import > iTunes feature. Files exported to iTunes can also be accessed through the On My iPad section of Files app.



Gestures

Section 1

General use

The following gestures are commonly used throughout Procreate and are important to get you started.

Paint, Smudge & Erase

Tap or drag your finger on the canvas to apply paint, erase, or smudge your art. Try varying the speed of your finger, as many brushes are affected by how fast you paint.



Undo an action

Procreate comes with 250 Undo states to make painting a little less stressful. Just two-finger tap anywhere on the canvas to go back one step at a time. You can also hold two fingers on the canvas to Undo continuously until you release.



Redo an action

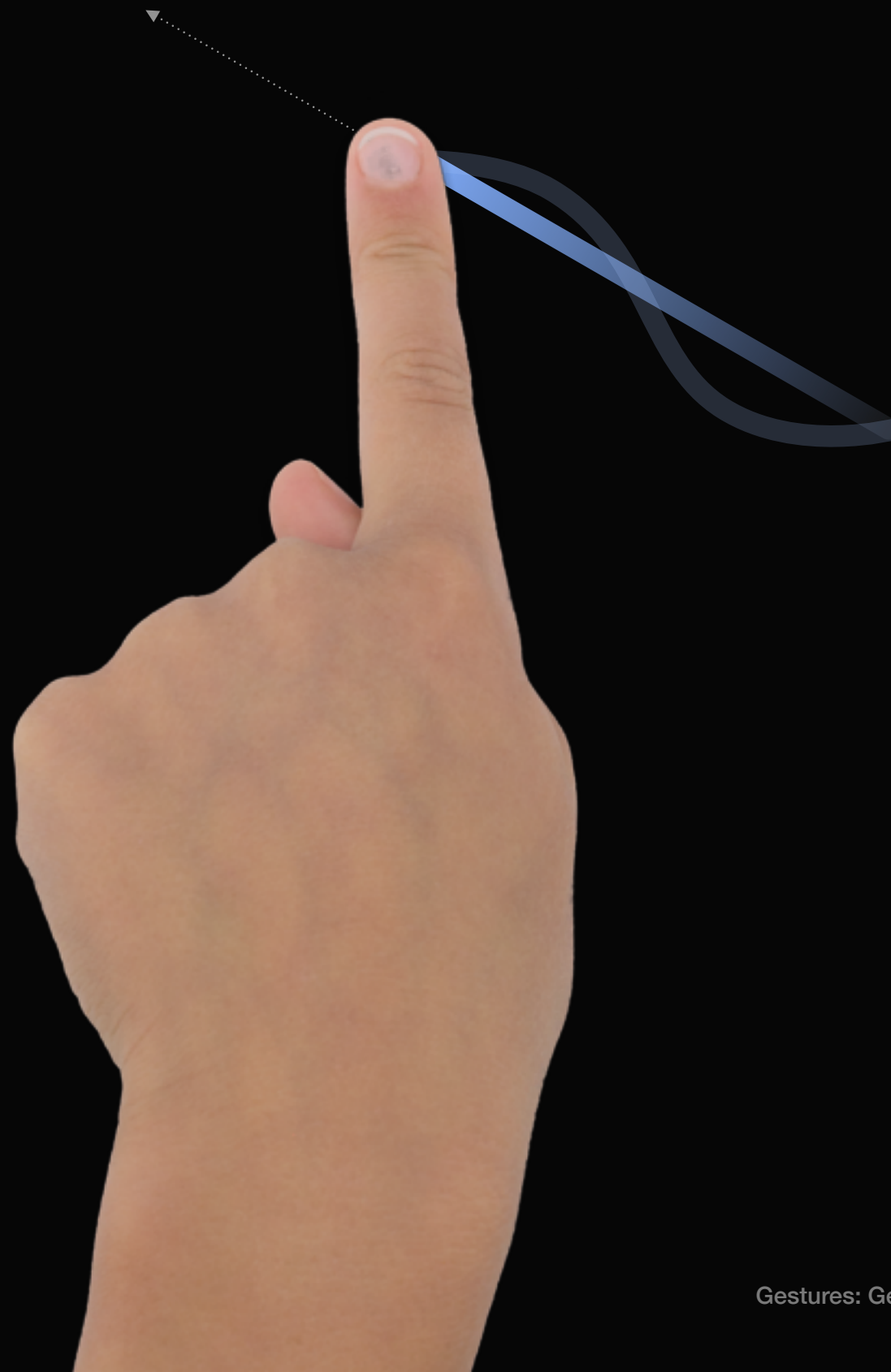
If you Undo too many times, just three-finger tap anywhere on the canvas to Redo. You can also hold three fingers on the canvas to Redo continuously until you release.



QuickShape

When drawing a stroke, hold your finger or stylus still at the end to see your stroke snap into a straight line or the closest detected shape. While holding, tap with another finger to snap to the next perfect shape.

See page 121 to learn more about QuickShape.



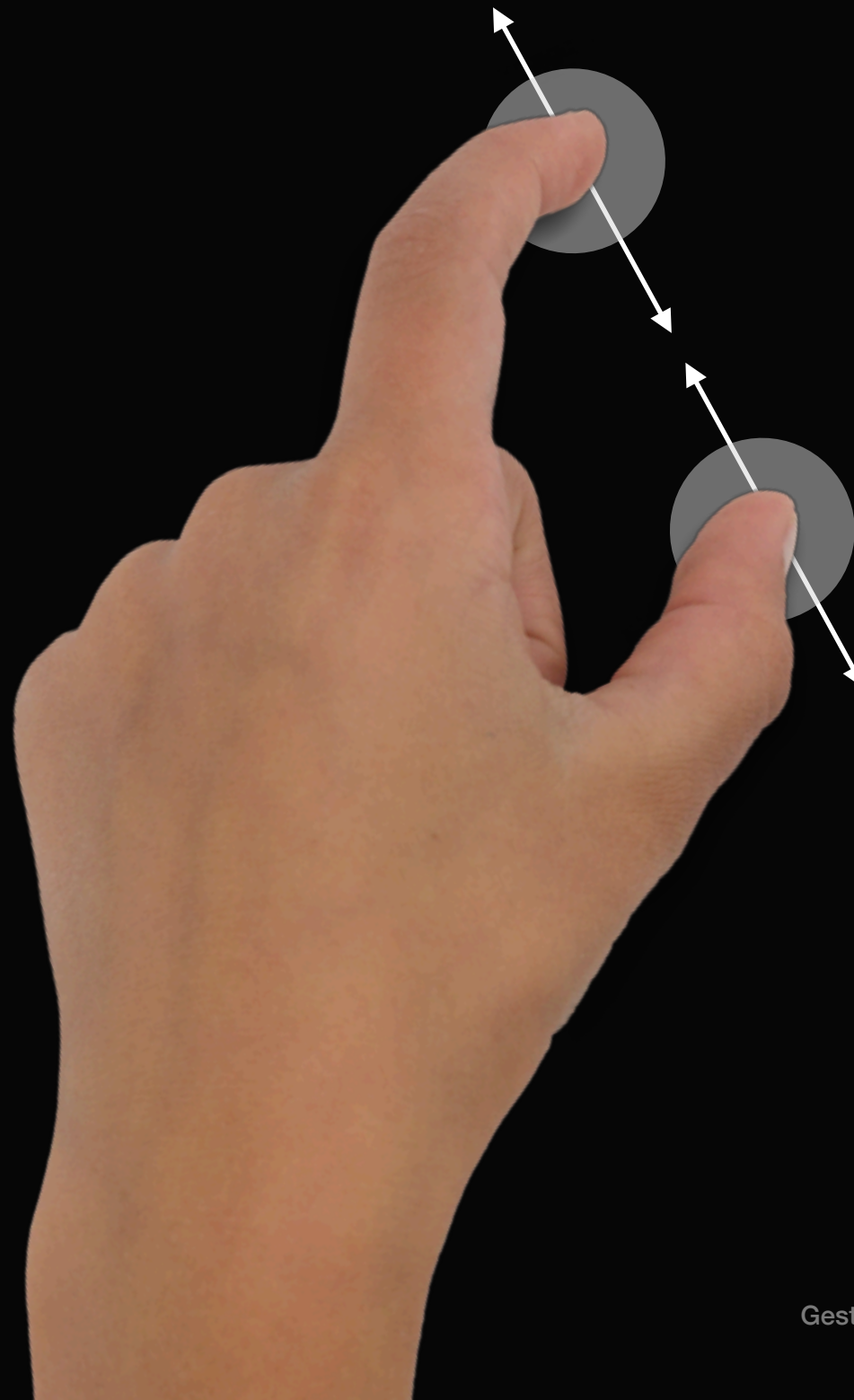
Clear layer

Instantly clear your layer by 'scrubbing out' the layer using 3 fingers in a back-and-forth motion anywhere on the canvas. This is very handy when you're speed painting or sketching concepts.



Zoom in/out

Pinching the screen allows you to zoom in and out of the canvas. The Procreate zoom feature is based largely on speed, so try alternating your speed to suit your style.



Rotate Canvas

By simply rotating your fingers while pinching the screen, you can change the orientation of your canvas. This is great for getting the perfect angle on those difficult strokes.

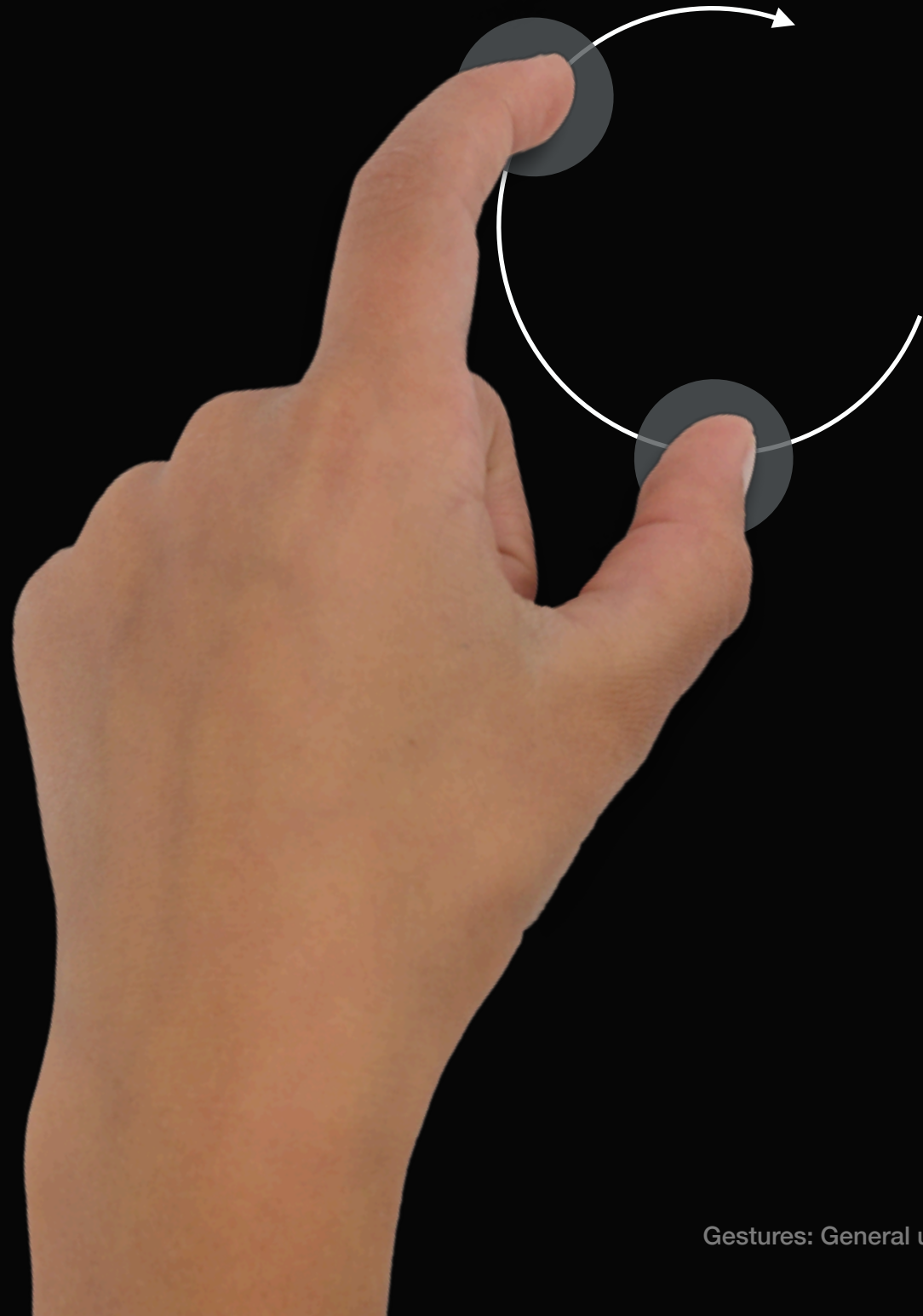


Figure 1.

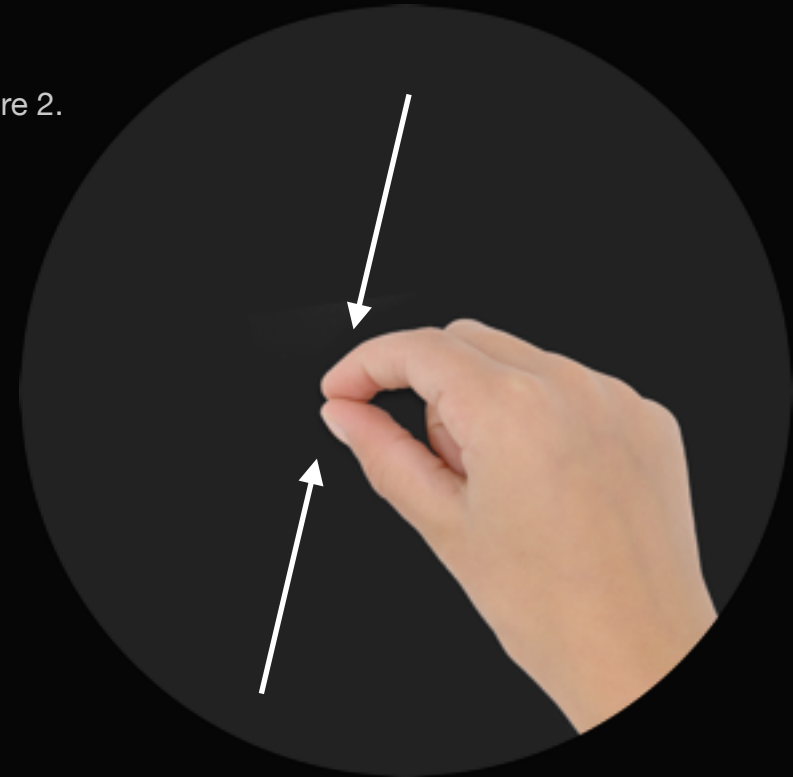


Fit to screen

To fit the canvas to screen instantly, quickly pinch inwards. For best results, try lifting your fingers off the screen as your pinch finishes.

To return to the exact place you were before you quick-pinched, simply reverse your quick-pinch.

Figure 2.



Cut/Copy/Paste menu

Swipe 3 fingers downwards to reveal various options for Cut, Copy, and Paste.



Full Screen

Tap the screen with 4 fingers to take your artwork Full Screen, hiding the toolbars. A second 4-finger tap will show the interface again.



Customize your gestures

Tweak the gestures to suit your workflow and access advanced features in Gesture Controls, available from the Prefs menu.

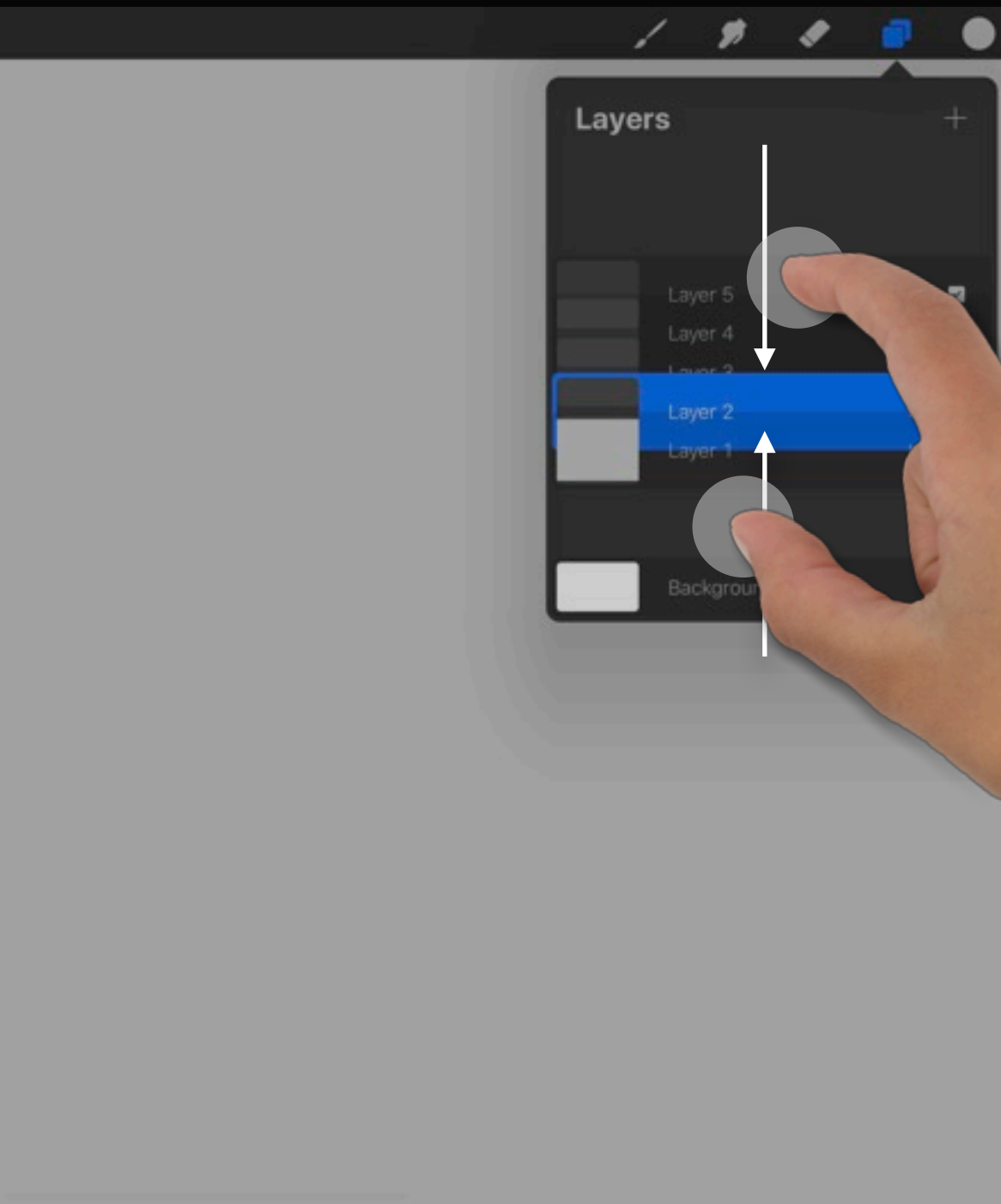
Tap title to access
Gesture Controls



Section 2

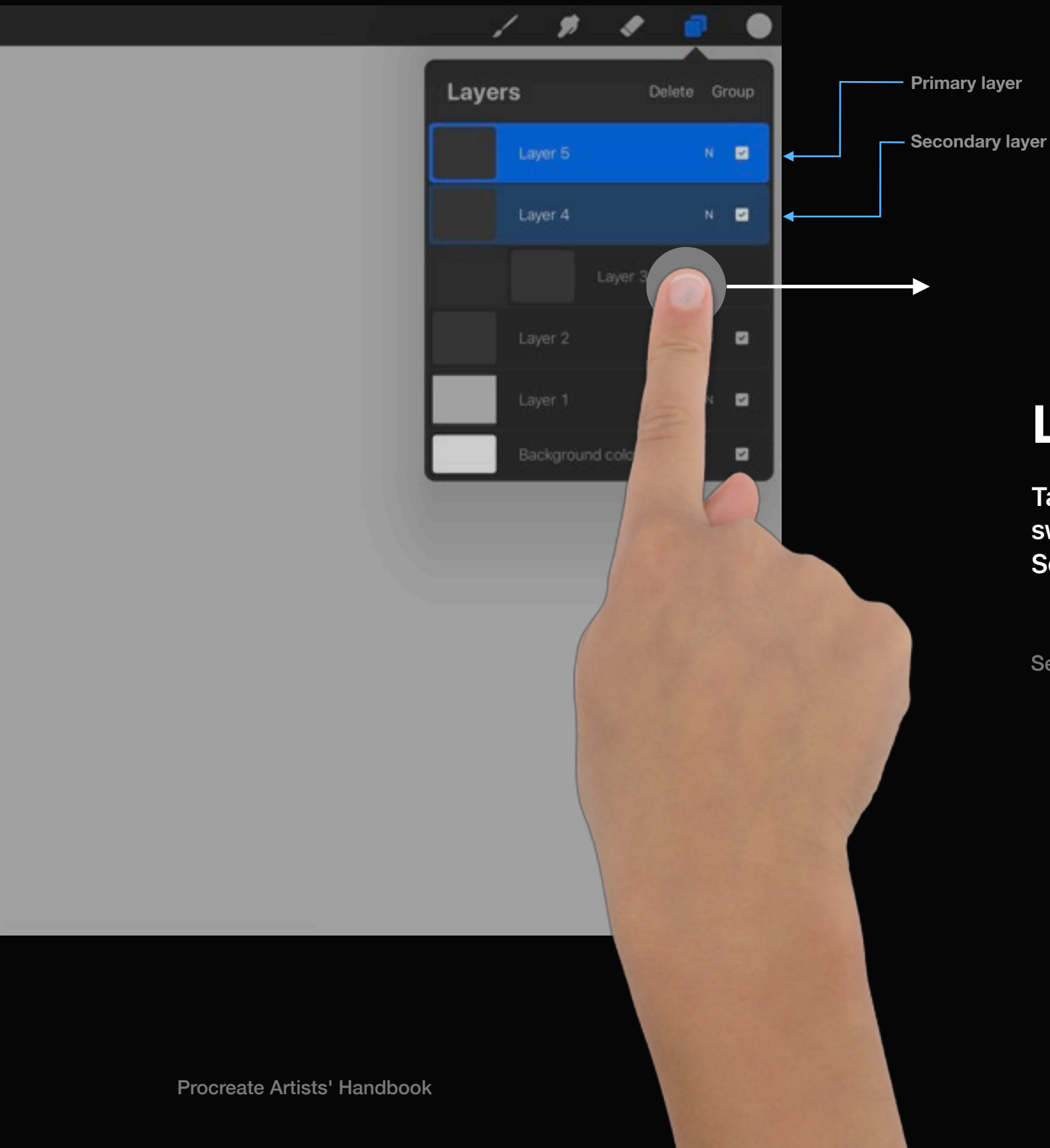
Layer Gestures

Learn how to use powerful gestures to navigate your Layers menu efficiently.



Merge multiple layers

Simply pinch two layers together to merge those layers, and any layer in between.



Layer selection

Tap a layer to select it as your Primary, or swipe a layer from left to right to toggle Secondary layer selection.

See page 173 for more info about layer selection.

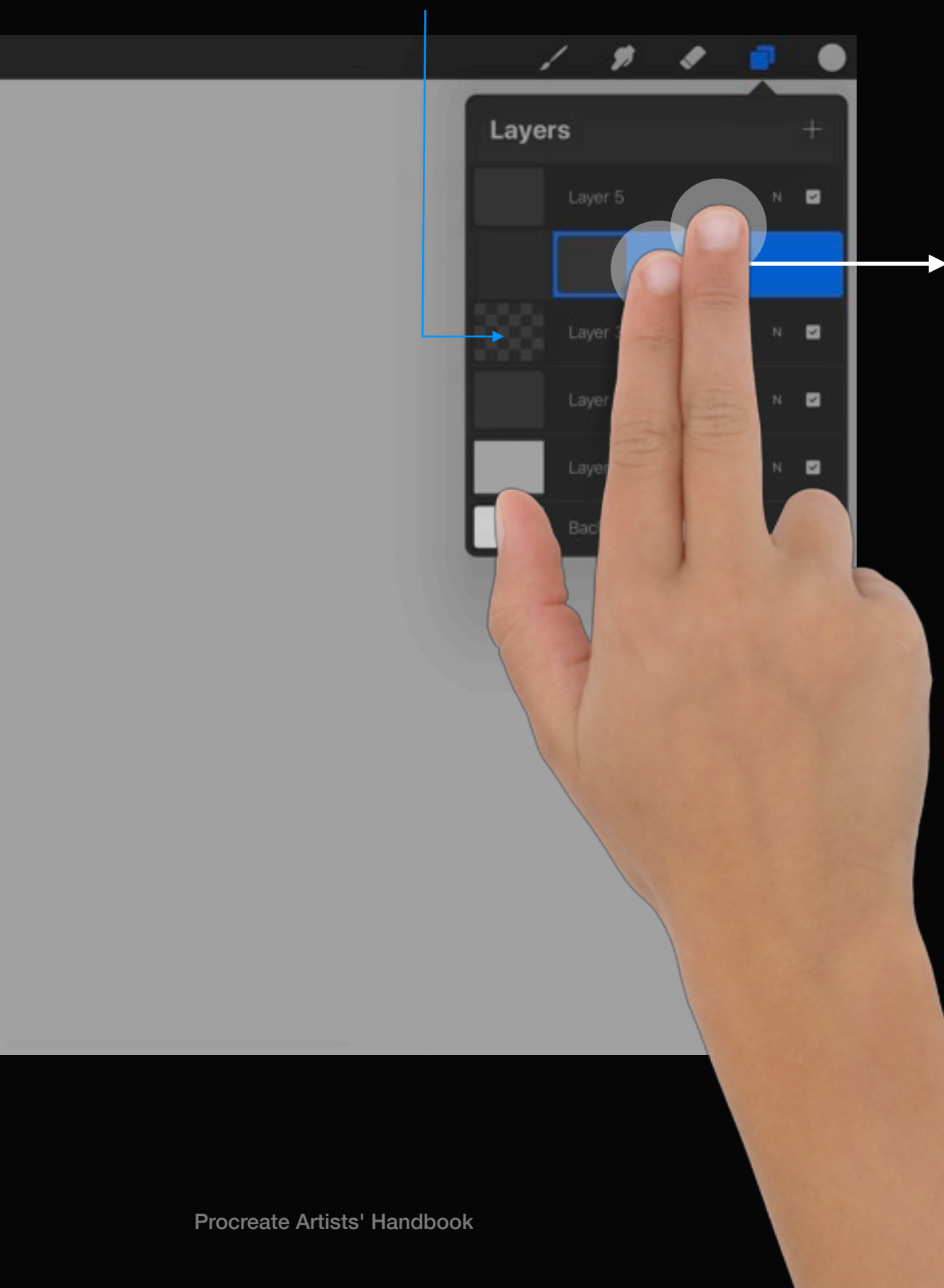


Layer opacity

Tap a layer thumbnail with two fingers to engage the opacity controls for that layer instantly.

See page 229 for more info on layer opacity.

Layer with Alpha Lock



Alpha Lock

Swipe a layer from left to right with two fingers to lock that layer's transparency.

See page 190 for more info on Alpha Lock.



Select contents

Tap and hold on a layer with two fingers to select the contents of that layer instantly.

See page 249 for more info on Selection tools.

Brushes

The background features a dark purple gradient at the top, transitioning into a blue and pink wavy pattern that flows from the bottom left towards the right side of the image.

Section 1

The Procreate brush system

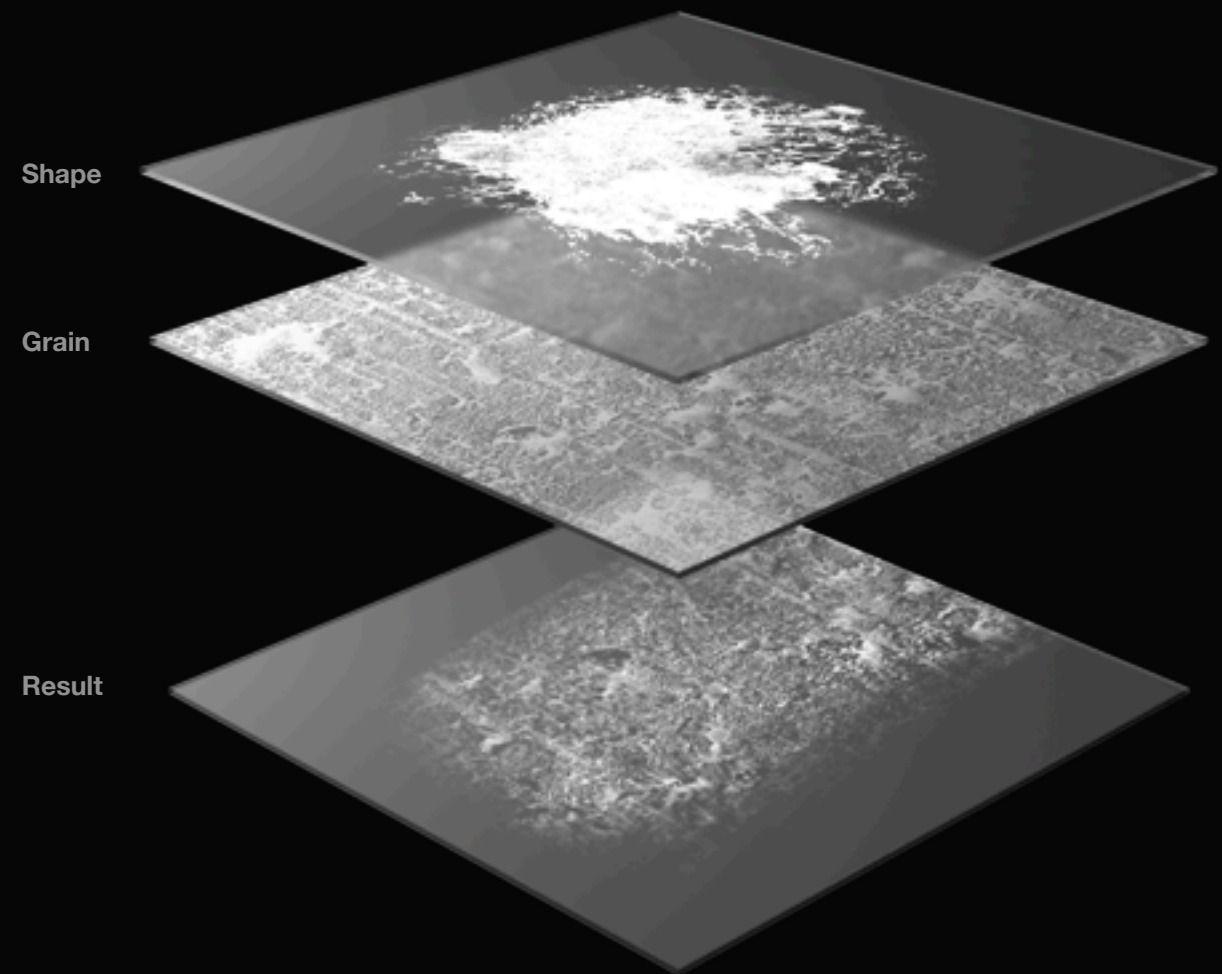
The following section will teach you about Procreate's next generation brush system. Learn how to navigate between brush sets, share and import brushes, and customize your library.

Game-changing brushes

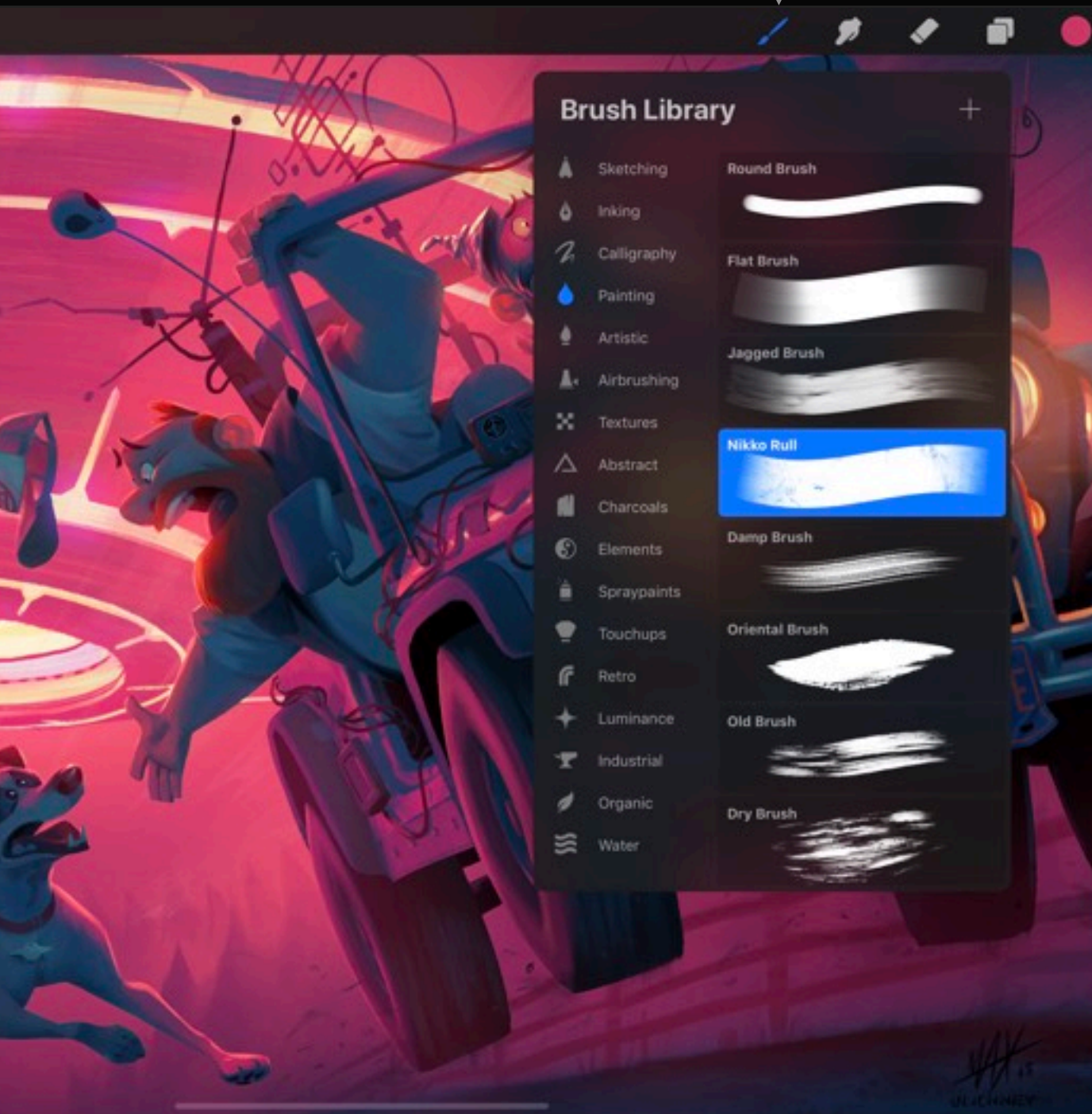
You'll notice the brushes feel different in Procreate. That's because they *are* different.

For the last 30 years, brushes in digital painting have been done the same way. Procreate takes a step forward, putting serious power into its brush system. We do this by splitting our brushes into 2 core elements: Shape and Grain.

For more info on brush Shapes and Grains, see later in this chapter.



Tap twice to open popover



The brush library

Tapping the paintbrush icon will switch to Paint mode. This is where you will spend most of your time.

Your selected tool will appear blue to indicate it is active. Tap it again to show the brush library.

Your brush library is a collection of brushes shared between all of your tools. This means quick and easy access to an incredible arsenal for painting, smudging or erasing.

On the left of the popover you'll notice the Brush Sets. These keep your brushes neatly organized. You can scroll the Brush Sets panel up and down to navigate.

Once you've selected a brush, you can immediately begin painting on the canvas.

Each tool will remember your last settings, so frequently switching between brushes isn't a hassle.

Pro tip:

Tap and hold an unselected Paint, Smudge, or Erase icon to transfer the active brush settings over from the selected icon. This method can be great for painting and erasing with exactly the same brush.



Navigating your brush library

Enjoy the many brushes Procreate has to offer through neat, organized Brush Sets.

Multiple Sets

Procreate comes with many exciting brushes organized into convenient themes.

To navigate through your Brush Sets, simply swipe the Sets up and down.

Drag your Brush Sets down to reveal a button to create a New Set.

Drag and Drop amongst Brush Sets



Rearranging brushes

Pick up and move Brushes and Brush Sets to improve your workflow.

Procreate's shared brush library can be rearranged to your liking by dragging and dropping. Brushes can even be moved in and out of different Sets if you require.

Moving brushes

Tap and hold the brush you wish to move. Drag it to the new position and let go to drop it in place. If you hover over a Brush Set you can drop it into a new Set. Alternatively, pick up the brush you want to move, tap your destination set with another finger, then just drop your brush.

If the brush you drag is a default brush (that was there when you bought Procreate) it will duplicate it so you don't misplace the original.



Multiple selections

Rearrange multiple brushes simultaneously.

There are two ways to move multiple brushes easily. You can swipe right on a brush to select it, then tap and hold on a brush to pick up all of your selected brushes.

Alternatively, tap and hold the brush you wish to move, and then tap other brushes with another finger to add them to the stack. You can now rearrange these within the Brush Set, or tap another Brush Set to open it and move them there.



Brush Actions

Swipe a brush from right to left to reveal context-sensitive actions.

Share

If you have a brush you're finding useful, share it with friends. See next page for details.

Duplicate

If you want to experiment further with a brush while retaining the original, use the Duplicate option.

Delete

Delete a custom brush. Be careful, this is final.

Reset

Default Procreate brushes cannot be deleted, only reset to their original settings. The Reset button will only be available when a default brush has been modified.



Sharing brushes

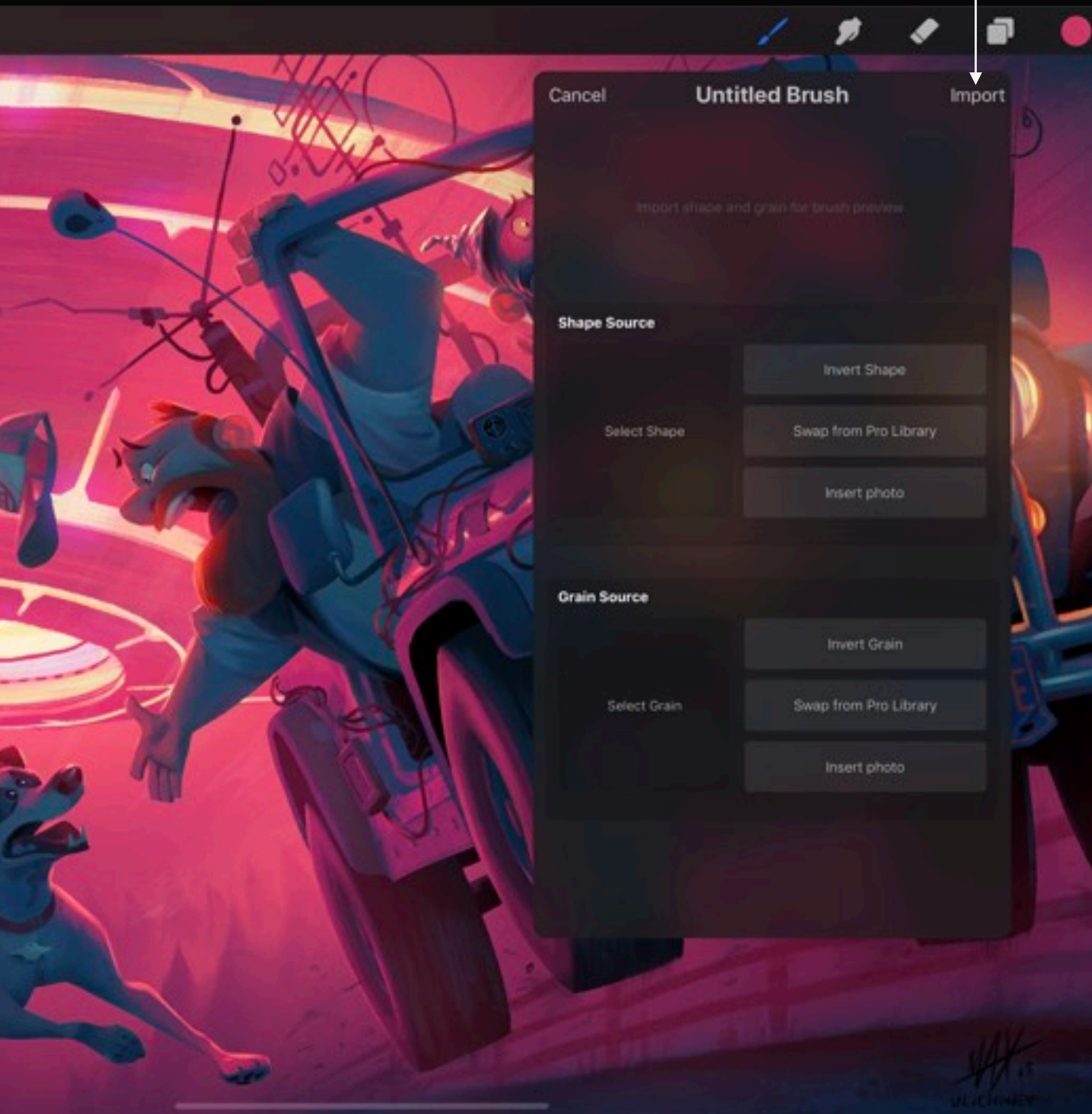
Share your best brushes with the world, or import from the thousands shared by other artists.

It couldn't be easier to share your brushes: just swipe the brush thumbnail and select the Share option. Procreate will package your brush into a .brush file and you can choose how to share it from there.

Importing

Search the internet or the Procreate Forums for new brushes to download. See the next page for more details on importing brushes.

Tap to import brushes



Importing brushes

Bring other useful brushes into your own Procreate app via two methods:

In-app Import

The other half of sharing is receiving! You can import other brushes straight to your app. Tap the + button to create a new brush, then locate the Import button at the top right to import a brush from Files app. The brush will be imported into your currently-selected Brush Set.

File Association

If you have a .brush file online or in an email, tap it to be prompted to import the new brush to Procreate. Your newly acquired brush will be placed in a specially created folder called Imported. Scroll to the bottom of your Brush Sets to find it.

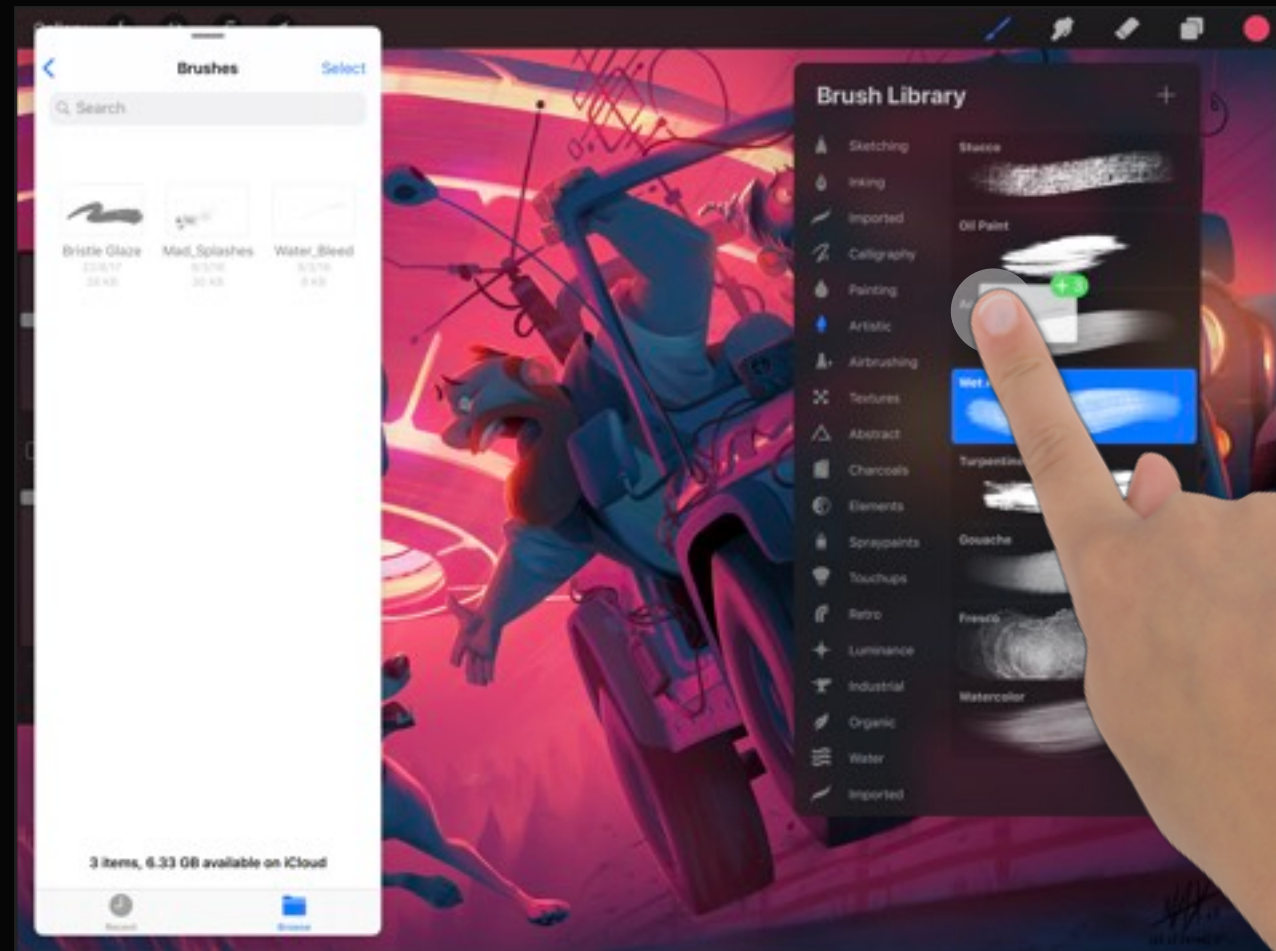
Drag and Drop brushes

Drag and Drop brushes in and out of Procreate to share or import them instantly.

Just hold on a brush to pick it up, then Drag and Drop it into any compatible application. Pick up a brush, then tap other brushes to Drag and Drop them all at once.

Importing brushes

Tap and hold on a .brush file in Files app or any other compatible application and Drag and Drop it into Procreate to import it immediately. Pick up a brush, then tap other brushes to Drag and Drop them all at once.





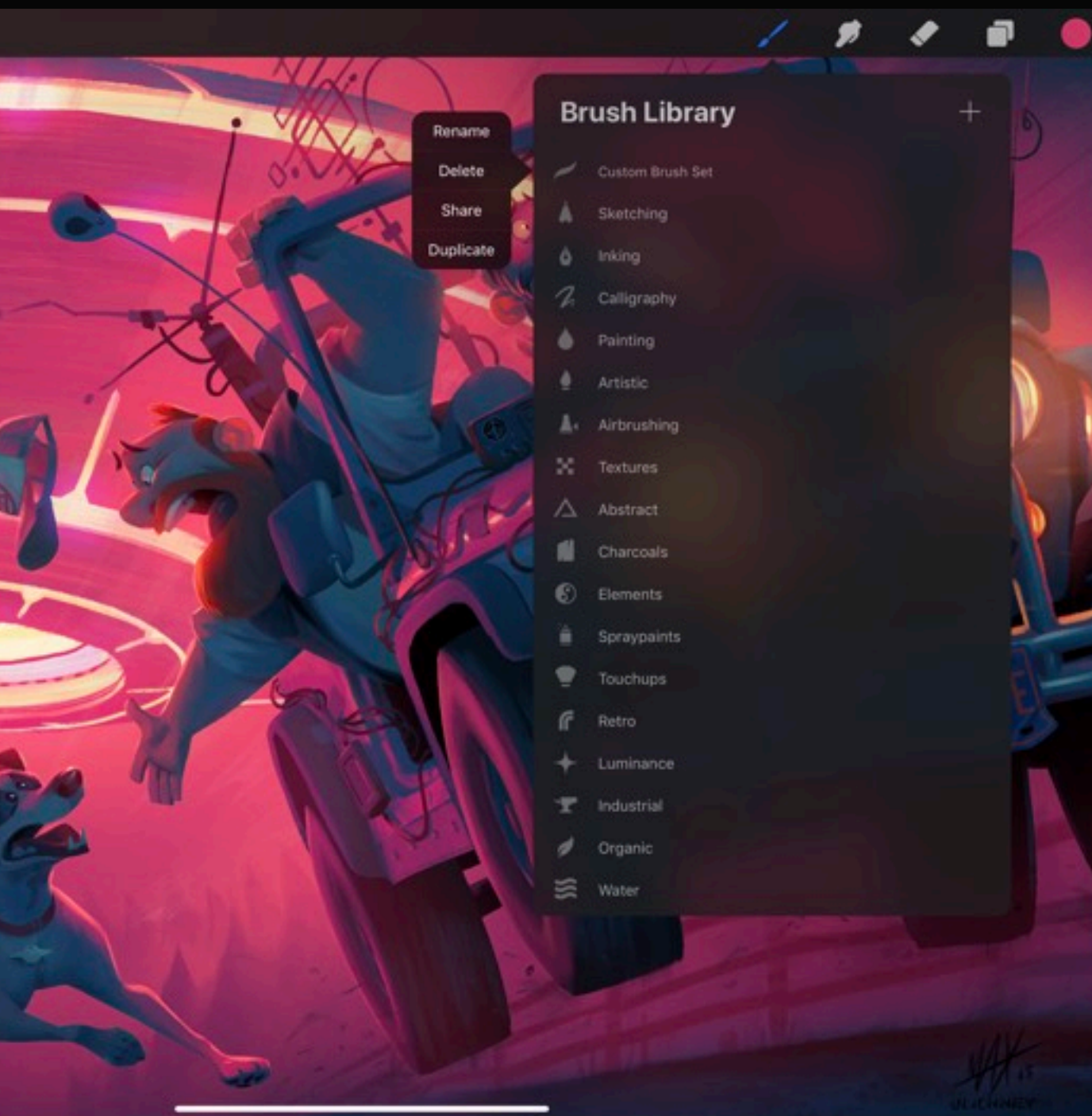
Custom sets

Organize your custom brushes into your own Brush Set.

Creating a new Brush Set

If you keep dragging your Brush Sets downward, you'll find the button to create a new Brush Set. You can create as many custom sets as you like.

Tap the button to name your new Brush Set and, once confirmed, you can position the new group wherever you like in the Brush Set list.



Custom Set Options

Tap your selected custom Brush Set to reveal buttons for Rename, Delete, and Share.

Rename

Tap the Rename button to invoke the keyboard and change the name of your custom Brush Set.

Delete

Delete a custom Brush Set. Be careful, this is final.

Share

Share your entire custom Brush Set as a single file, containing all the brushes in that set.

Duplicate

Duplicate an entire Brush Set, including its contents. You can also duplicate Procreate's default Brush Sets.

Section 2

Advanced brush settings

Tap a selected brush to see the 75 settings that control your brush. The following pages describe how each setting affects your brush.

Stroke Properties

As you move your finger or stylus across the screen, Procreate is plotting your stroke using many points - much like a curve on a graph.

Spacing (1)

Spacing is the amount of space added between each plot point in your stroke. Increasing the space will create more gaps in your brush.

StreamLine (2)

StreamLine stabilizes your strokes in real time for perfect precision curves and flourishes. The higher the value, the more StreamLine will smooth your strokes.

Jitter (3)

Jitter refers to the amount of distance by which your shape will be offset from the stroke plot. Smaller values will look more like a solid line, while higher values will spread the shape out and hide the visible line you draw.

Fall off (4)

Affects the overall length of the stroke. All effects will be applied within this setting.





Pressure Taper

Adjust these settings to precisely control the taper applied to your stroke when using Apple Pencil.

Taper Amount (1)

These two sliders control the amount of taper at the start and end of your stroke. The closer each slider is to the center, the more taper that will be applied. Tap the link button to lock both sliders together.

Size (2)

This controls the amount of size taper applied to your brush. Higher values will cause the brush size to taper significantly at the ends of your stroke.

Opacity (3)

This controls the amount of opacity taper applied to your brush. Higher values will cause the brush opacity to taper significantly at the ends of your stroke.



(4) Pressure

This slider will taper the effect of the pressure you apply to your brush. At higher values, the effects of the applied pressure will be tapered off at the ends of your stroke.

(5) Tip

Use this slider to adjust the shape of the tapered tip of your stroke. If the slider is all the way to the left, the stroke tip will be sharp and pointed. The higher the slider value, the more rounded your stroke tip will appear.

(6) Tip Animation

This switch toggles the animation of your tapered stroke tip. When the switch is off, End Taper is applied after you lift off the canvas. When the switch is on, Procreate uses Apple Pencil prediction to apply your End Taper as you draw.

Touch Taper

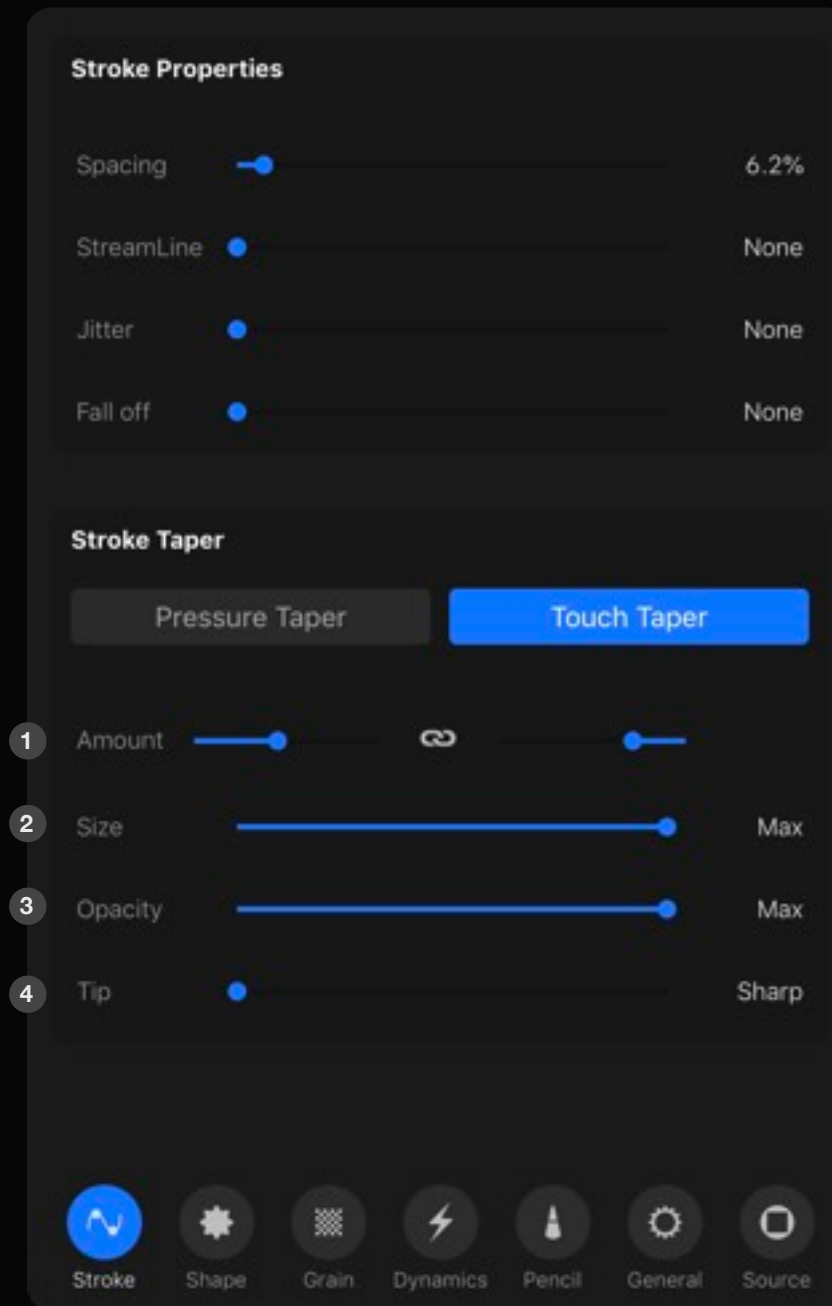
Adjust these settings to precisely control the taper applied to your stroke when using your finger.

Taper Amount (1)

These two sliders control the amount of taper at the start and end of your stroke. The closer each slider is to the center, the more taper that will be applied. Tap the link button to lock both sliders together.

Size (2)

This controls the amount of size taper applied to your brush. Higher values will cause the brush size to taper significantly at the ends of your stroke.



Opacity (3)

This controls the amount of opacity taper applied to your brush. Higher values will cause the brush opacity to taper significantly at the ends of your stroke

Tip (4)

Use this slider to adjust the shape of the tapered tip of your stroke. If the slider is all the way to the left, the stroke tip will be sharp and pointed. The higher the slider value, the more rounded your stroke tip will appear.

Shape settings

A shape is just like a stamp. The image you select as the Shape will be repeatedly 'stamped' over the course of a stroke. You could also think of the Shape as a container for the grain.

Scatter (1)

Changing scatter will change the orientation of your brush as your stroke progresses. Higher values will give a messy, rough feeling while low values will be like a streaky brush. Scatter is not affected by brush direction.

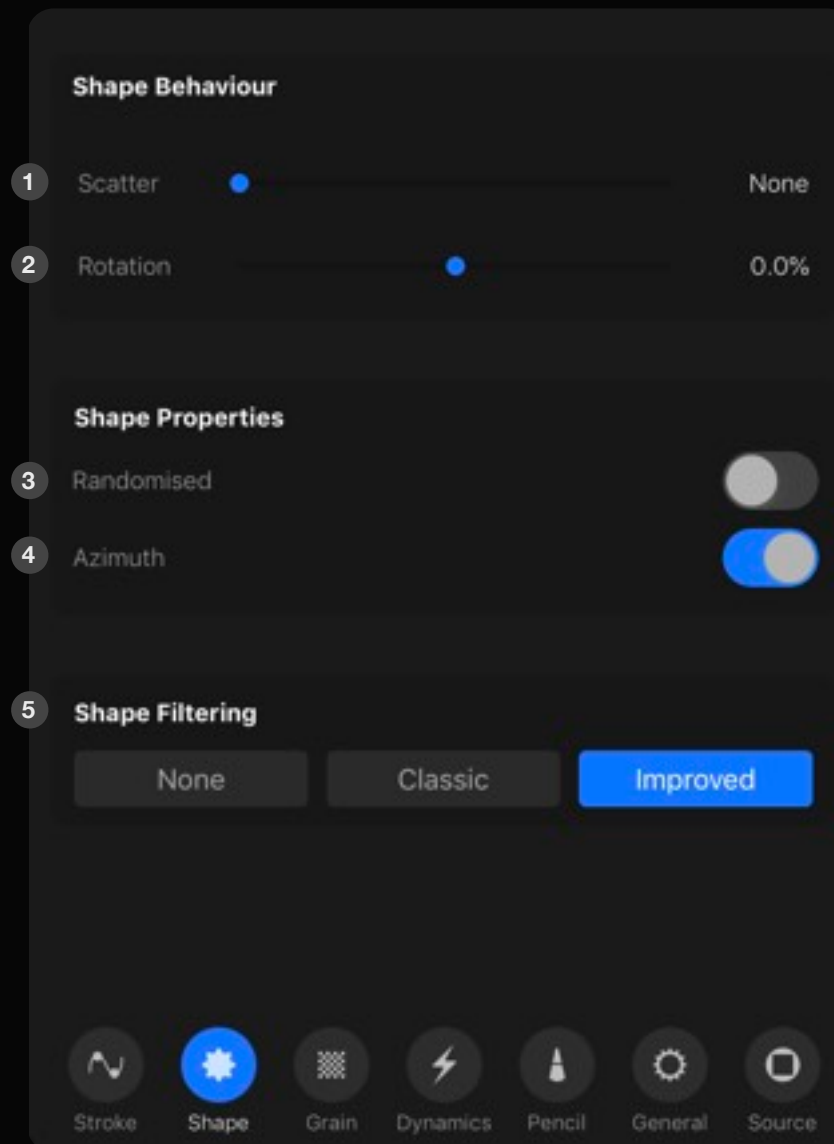
Rotation (2)

The rotation slider affects how your brush reacts to directional change. A range of unique effects can be achieved, from a flat calligraphy brush to ribbon effects. The rotation slider has three main points:

'100% inverse' makes the shape rotate inversely to stroke direction.

'Static' locks shape direction to remain static.

'Follow stroke' causes the shape to follow your painting direction.



(3) Randomized

When OFF—initial shape direction is based on the stroke's beginning. When ON—direction is different for the beginning of every stroke. This can give each stroke a unique behavior and a more organic feel.

(4) Azimuth

Azimuth is used for brushes where the direction of the brush shape on the canvas should be the same as the direction of Apple Pencil, just like a calligraphy pen nib.

Turning Azimuth ON will make the shape follow the perpendicular angle of Apple Pencil.

(5) Filtered

'Improved' applies Antialiasing to your Shape texture.

'Classic' mimics the filtering from earlier versions of Procreate.

'None' disables filtering, and can cause the Shape to become jagged and coarse.

Grain settings

As you've already learned, Procreate brushes are created using dual images. While the shape acts as a container for the grain, the grain itself acts like a paint roller. When you paint a stroke, the grain is 'rolled' inside the shape and on to the canvas.

Movement (1)

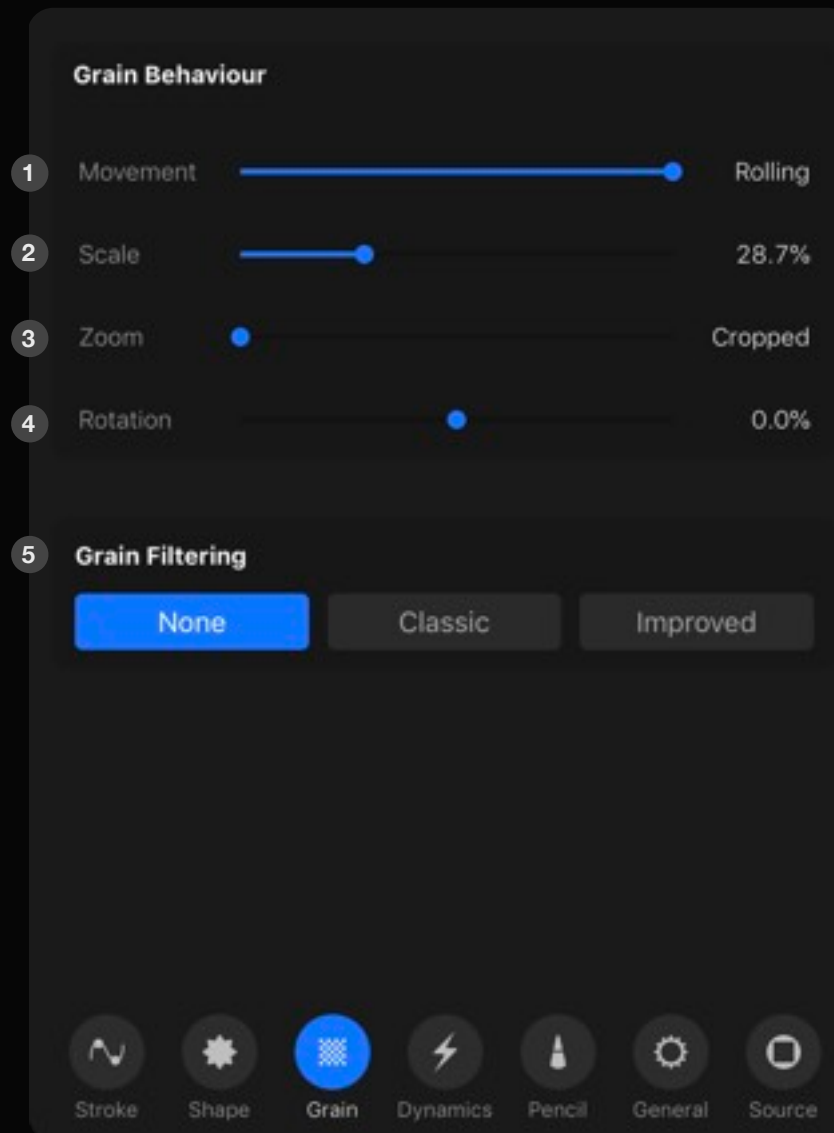
When set to 'Stamp' the grain texture will not roll at all. Instead it will smear the grain. When set to 'Rolling' the grain will apply its texture just like a repeating paint roller.

Scale (2)

Grain scale adjusts the size of the grain texture inside the shape.

Zoom (3)

When set to 'Follow size' the grain will scale with your brush shape. When set to 'Cropped' the grain is locked and the brush shape will scale independently from the grain. A great way to understand how zoom works is to use the precision slider preview.



(4) Rotation

Grain rotation is very similar to grain movement. This setting will smear and slur the grain image—based on directional stroke changes. The rotation slider has three main points along the slider:

'100% inverse' makes the grain rotate inversely to stroke direction.

'Static' locks grain direction to remain static.

'Follow stroke' causes the grain to follow your stroke direction.

(5) Filtered

'Improved' applies Antialiasing to your Grain texture.

'Classic' mimics the filtering from earlier versions of Procreate.

'None' disables filtering, and can cause the Grain to become jagged and coarse.

Dynamics settings

These settings are applied on-the-fly when you draw and paint. Dynamic settings allow you to create incredibly unique brushes.

Brush Rendering (1)

Each Brush Rendering option affects the overall behavior of your brush, and provides access to different Dynamics settings.

Normal (2)

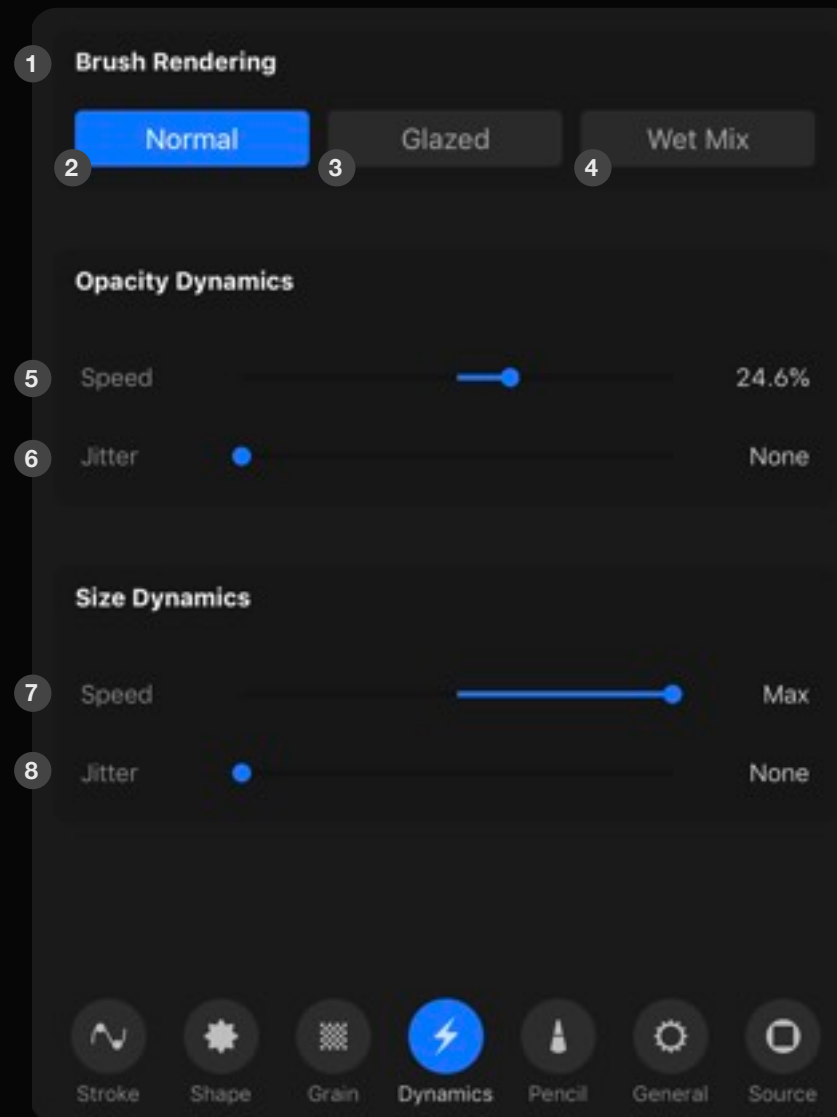
The Normal mode will allow your stroke to build up over time, and has no special Dynamics settings.

Glazed (3)

When Glazed is selected, your brush will paint in a uniform transparent manner and will no longer 'build up' over time. Because of this, the Glazed effect behaves exactly the same as default Photoshop® brushes.

Wet Mix (4)

This mode gives your brush a wet look, and adds a number of settings to affect the dilution of the paint, the amount of paint applied, and how much your brush will pull paint around on the canvas.



(5) Opacity Speed

Opacity will vary depending on the speed of your stroke.

(6) Opacity Jitter

The stroke will vary in opacity as it is stamped across the canvas.

(7) Size Speed

Size will vary depending on the speed of your stroke.

(8) Size Jitter

The stroke will vary in size as it is stamped across the canvas.

Dynamics settings

These settings are applied on-the-fly when you draw and paint. Dynamic settings allow you to create incredibly unique brushes.

Accumulative (1)

When ON, the shape will 'build up' as the stroke is made.

Flow (2)

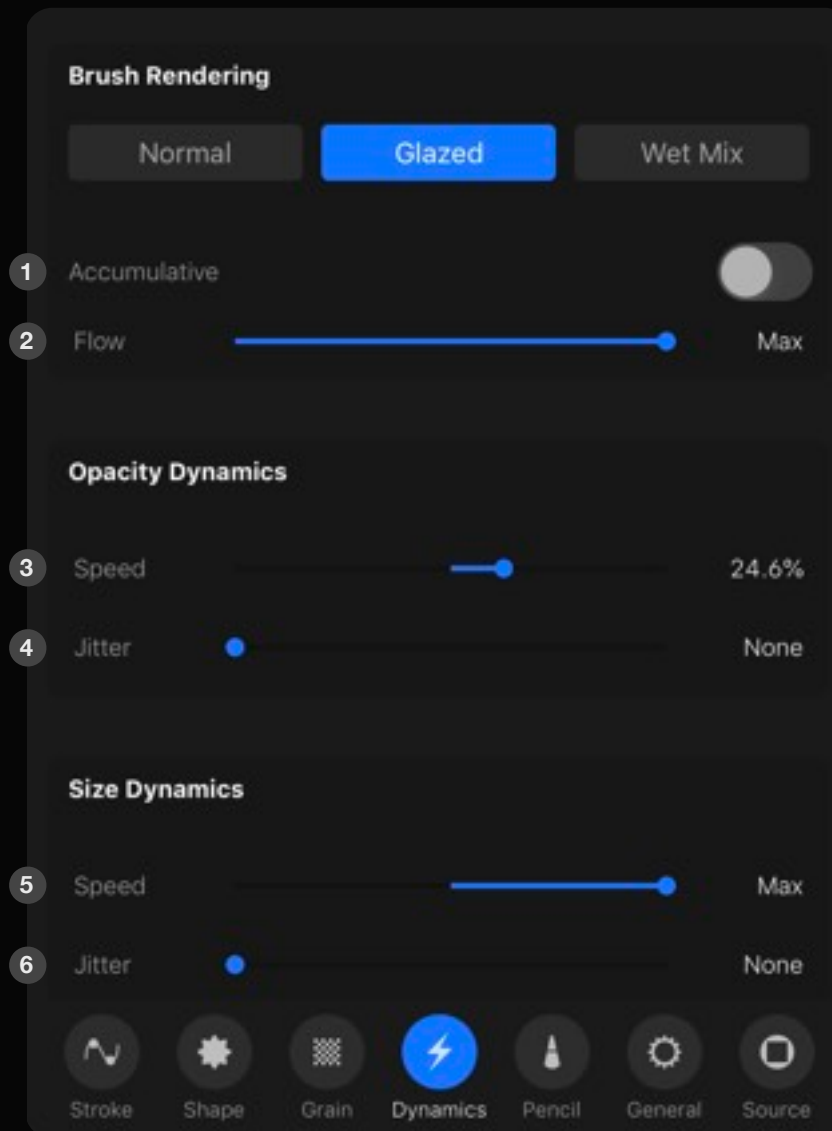
Flow will determine the amount of paint applied to an area every time the brush moves.

Opacity Speed (3)

Opacity will vary depending on the speed of your stroke.

Opacity Jitter (4)

The stroke will vary in opacity as it is stamped across the canvas.



(5) Size Speed

Size will vary depending on the speed of your stroke.

(6) Size Jitter

The stroke will vary in size as it is stamped across the canvas.

Dynamics settings

These settings are applied on-the-fly when you draw and paint. Dynamic settings allow you to create incredibly unique brushes.

Dilution (1)

Dilution is directly related to the Paint characteristic. Varying values of Dilution will create different levels of 'water' in your paint. When a high amount of Dilution is applied to your brush, the brush will mix more paint with each stroke.

Charge (2)

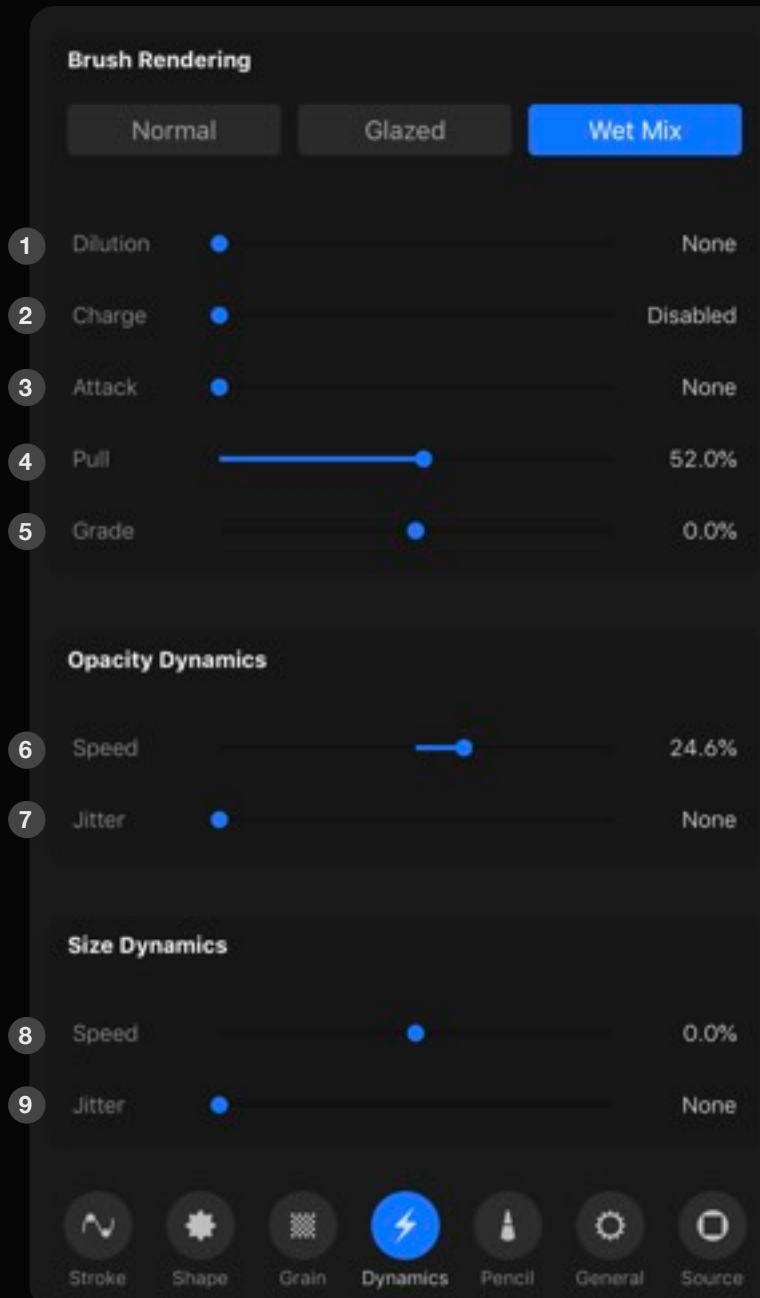
Charge refers to the amount of virtual paint applied to a brush. For instance, when set to '0' the virtual paint will 'run out' almost instantly. The Charge setting is great for traditional artists!

Attack (3)

Attack is a pressure-based setting, designed for use with Apple Pencil. The higher your attack setting, the more variation in the stroke shape with pressure. The more pressure you apply, the more of the shape area is applied to the canvas, just like pressing harder with a physical brush.

Pull (4)

The Pull feature is best used in combination with Dilution, and affects how much paint your brush will pull around on the canvas. A brush with high Pull and low Charge will act a bit like Smudge.



(5) Grade

Maximum Grade will smooth the ragged edges of your wet brush for a cleaner stroke. -100% Grade will result in a sharper, scratchy brush.

(6) Opacity Speed

Opacity will vary depending on the speed of your stroke.

(7) Opacity Jitter

The stroke will vary in opacity as it is stamped across the canvas.

(8) Size Speed

Size will vary depending on the speed of your stroke.

(9) Size Jitter

The stroke will vary in size as it is stamped across the canvas.



Pencil settings

Tailor Apple Pencil exactly to your needs. If you are using a supported third-party stylus, your stylus pressure will also adjust size and opacity. Tilt is only available with Apple Pencil.

Pressure Size (1)

When set to 0% the brush will not react to pressure changes. When set to Max, more pressure will make the stroke size bigger. When set to -100%, more pressure will make the stroke size smaller.

Pressure Opacity (2)

When set to 0%, the brush will not react to pressure changes. When set to Max, more pressure will make the stroke opacity stronger. When set to -100%, more pressure will make the stroke transparency increase.

Pressure Bleed (3)

Pressure Bleed applies a threshold to your entire brush, which is then mapped to pressure. A high Bleed setting means that the brush will have less detail and impact with light strokes. The brush detail will bleed through to the canvas as pressure is increased.

Pressure Softening (4)

When set to 0%, any changes in pressure will be immediately acted upon. Larger values will smooth out the pressure response, which is excellent for getting gradual changes with Glazed brushes. Lower values give brushes a quicker response to changes in pressure.



(5) Tilt Angle

This slider controls the angle at which Apple Pencil tilt begins to affect the stroke. 0° is when the Apple Pencil is flat against the iPad screen. 90° is when the Apple Pencil is vertical, exactly perpendicular to the iPad screen.

(6) Tilt Opacity

When opacity is set to None the brush will not react to Apple Pencil tilt changes. When set to Max, tilting Apple Pencil will aggressively make the brush fade off vertically.

(7) Tilt Gradation

Tilt Gradation applies graded opacity from the outside edge of your brush shape.

(8) Tilt Bleed

Tilt Bleed applies a threshold to your entire brush, which is then mapped to Tilt. With high Bleed, a brush will have less detail and impact with light strokes. The brush detail will bleed through to the canvas as the tilt angle is increased.

(9) Tilt Size

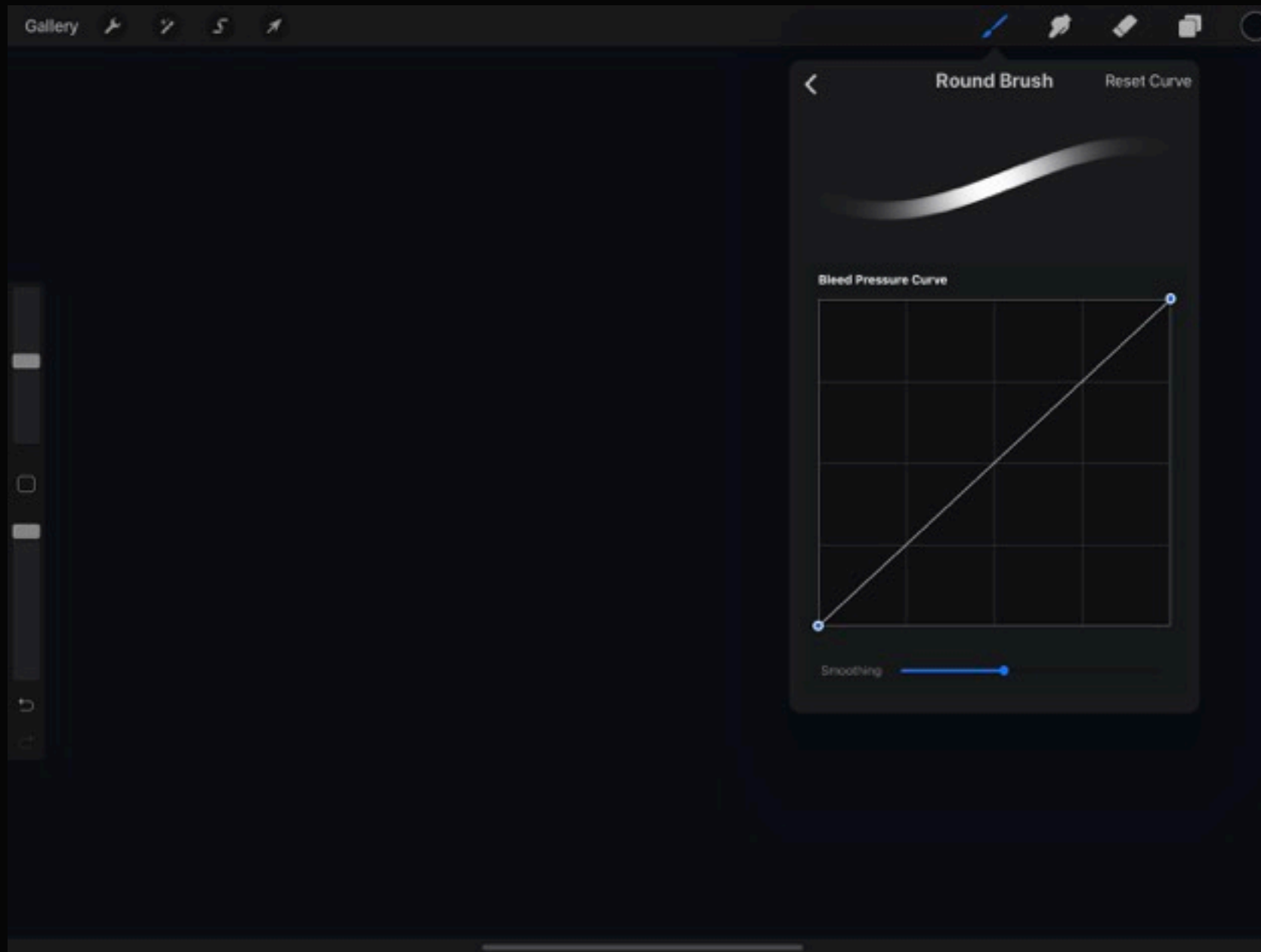
When size is set to None the brush will not react to Apple Pencil tilt changes. When set to Max tilting, Apple Pencil will aggressively make the brush size bigger.

(10) Tilt Size Compression

Tilt Size Compression compresses the brush size when tilted to simulate the behaviour of a traditional pencil.

Pencil settings

You can adjust the Size, Opacity, and Bleed pressure curves individually per brush. The pressure curves control how your Apple Pencil pressure is interpreted for that specific feature on that brush.

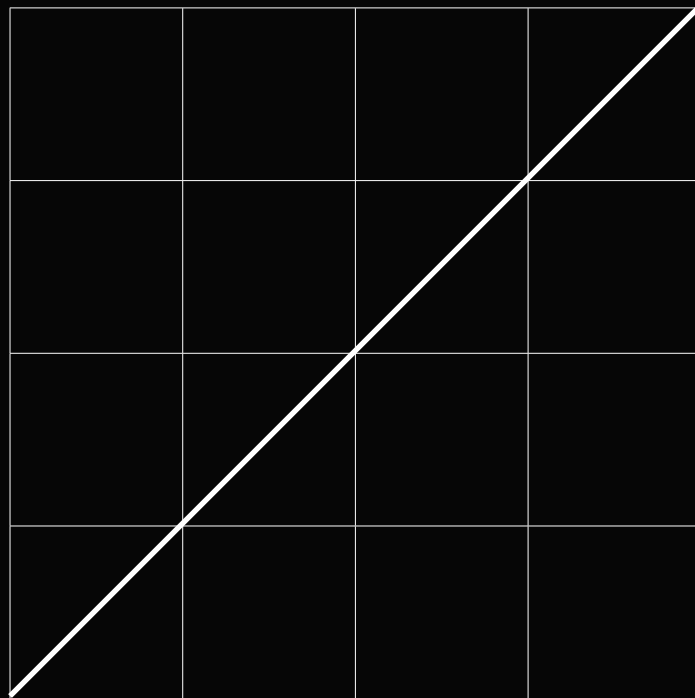




Pressure Curves

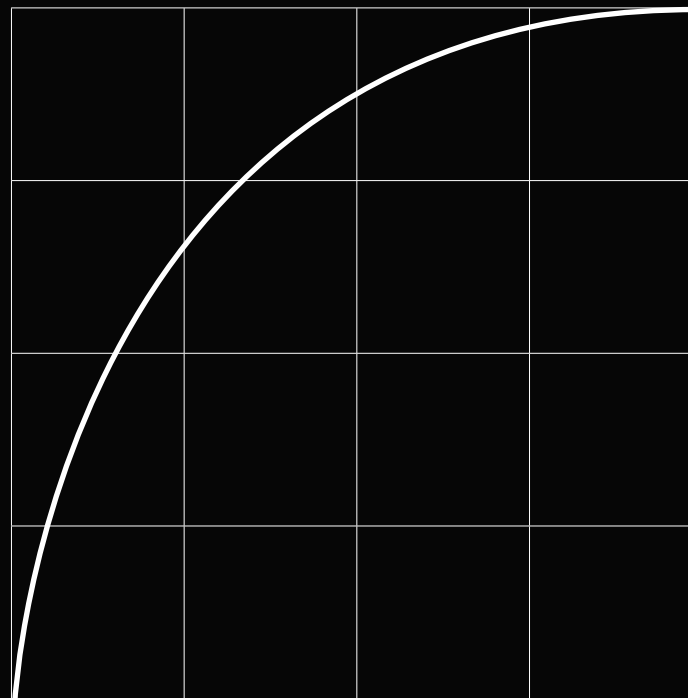
These are some examples of possible pressure curves.

For more information about how pressure curves work, see page 356.



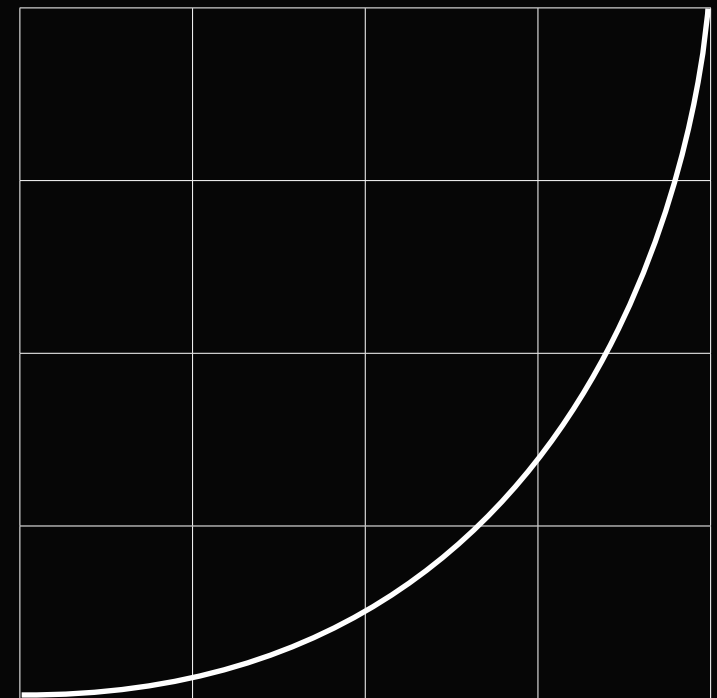
Linear

This is the default setting. Procreate will read your pressure exactly as it's delivered by Apple Pencil.



Aggressive

Quickly ramp up the pressure towards maximum as you press. Great for folks who have a delicate touch.



Subtle

Pressure adds much more slowly, but ramps up as you press really hard. Suited to people who like to press hard on the screen.



General settings

Here you will find general brush characteristics which apply to the brush overall.

Brush Name (1)

Easily adjust your brush name here.

Use stamp preview (2)

When ON, stamp preview will cause your brush preview to display only the brush shape file. Stamp view can be very useful when the grain is not a significant part of the brush.

Preview (3)

This setting allows you reduce the size of the stroke preview at the top of the menu. This is useful for particularly large brushes.

Orient to Screen (4)

When ON, this setting will cause the brush to orientate itself according to the iPad screen orientation.

Classic Taper (5)

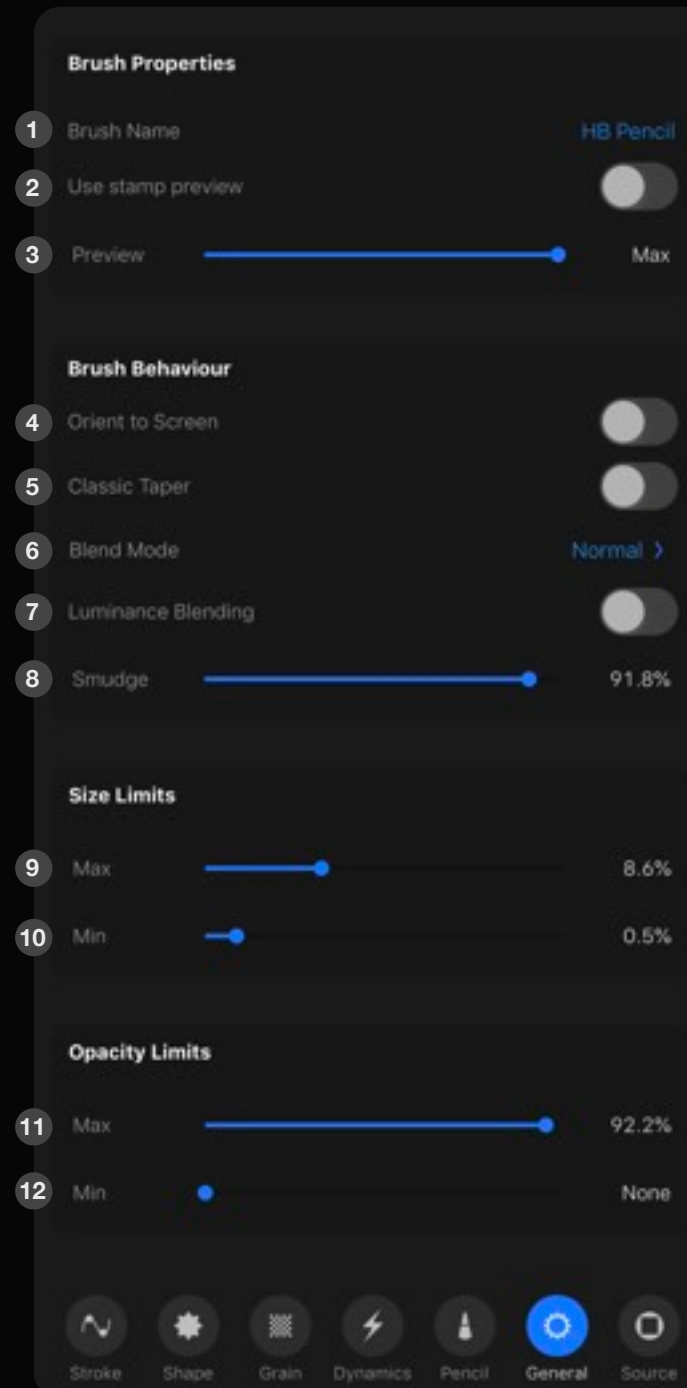
Turn this switch on to apply the classic taper effect from previous Procreate versions.

Blend Mode (6)

Brush Blend Modes determine how your paint combines with other paint on the same layer. Choose from twenty blend modes, including Normal.

Luminance Blending (7)

When ON, Luminance Blending will use the brightest variation of a color when blending, resulting in cleaner gradients.



(8) Smudge

The Smudge slider is similar to the Pull slider in the Wet Mix rendering mode, but only applies when the brush is used by the smudge tool. The higher the Smudge slider, the more paint will be smudged and pulled around.

(9) Max size

Maximum size is responsible for determining the maximum radius that the brush can reach. By default, all brushes can reach 100% radius. However, if a brush has a high enough Stroke Spacing value, the max size can be increased up to an incredible 1600% radius. Essentially, more spacing allows for bigger sized brushes.

(10) Min size

Minimum size is responsible for determining the minimum radius the brush can be lowered to.

(11) Max opacity

Maximum opacity is responsible for determining the maximum amount of opacity the brush can reach.

(12) Min opacity

Minimum opacity is responsible for determining the minimum opacity to which the brush can be lowered.

Source settings

This tab contains the source images that create the foundation of a Procreate brush. One image for the Shape of the brush, and one image for the Grain of the brush. You are free to modify or alter any brush source file you please.

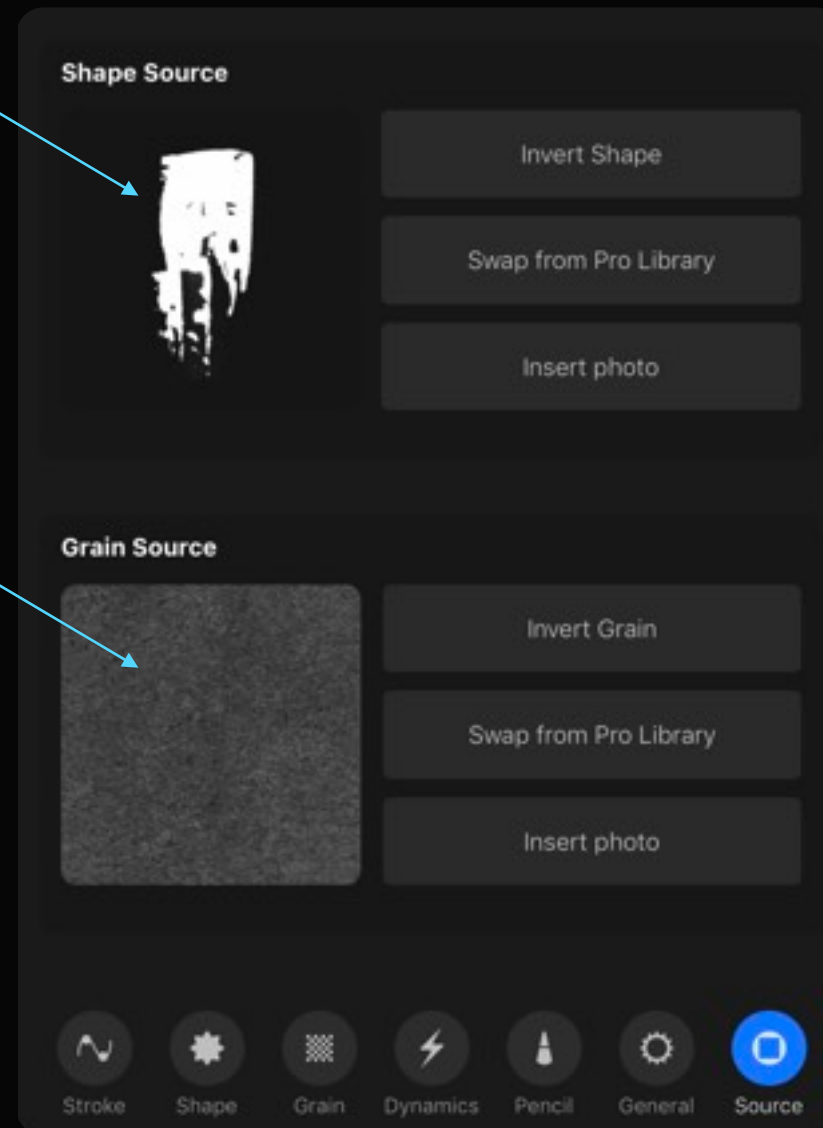
Tap to import a Shape image

Tapping the Shape Source thumbnail will allow you to import your own source images into your brush, or use an image from the Pro Library.

Procreate will accept almost all image formats, including JPEG, PNG, TIFF and GIF.

Tap to import a Grain image

Tapping the Grain Source thumbnail will allow you to import your own source images into your brush, or use an image from the Pro Library. Procreate will accept almost all image formats, including JPEG, PNG, TIFF and GIF.



Pro tip:

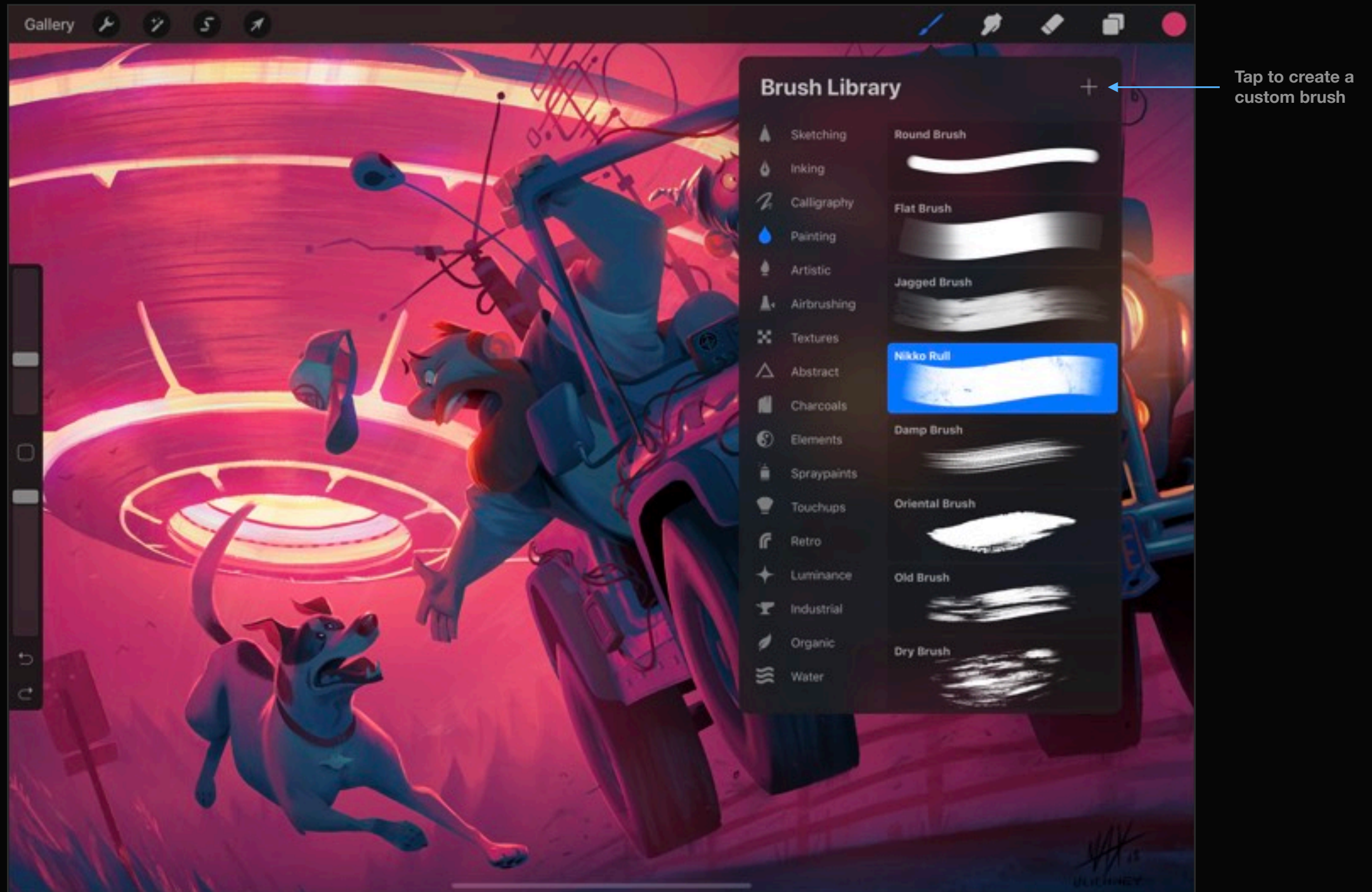
Note that white areas of the image will cause the brush to apply paint and black areas will be transparent.

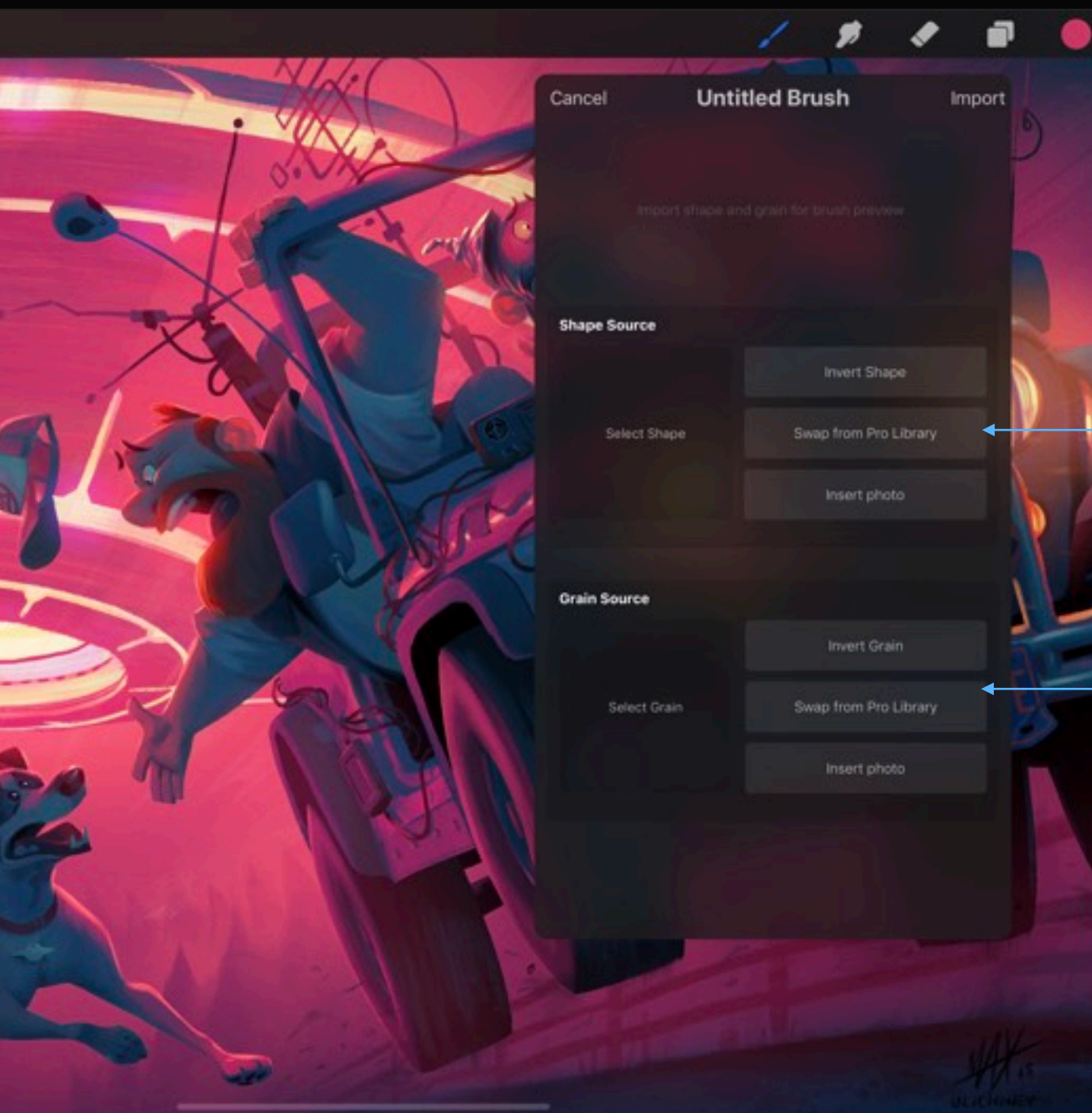
Section 3

Making custom brushes

Now that you've learned about navigating your brush library, and the many characteristics behind each brush, you'll be ready to make your very own brushes in Procreate!

How to make a custom brush





Create your own brush

Experimenting with new brushes can be a lot of fun, with great results!

Tapping the + icon will take you to the brush creation screen, where you can import images for the foundations of a Procreate brush: Shape and Grain. You can also simply Drag and Drop a compatible image straight into your Brush Source.

You can also paste a Shape or Grain image from your Clipboard by holding a finger on the Shape Source or Grain Source area to invoke the Paste menu.

Procreate brush

Shape

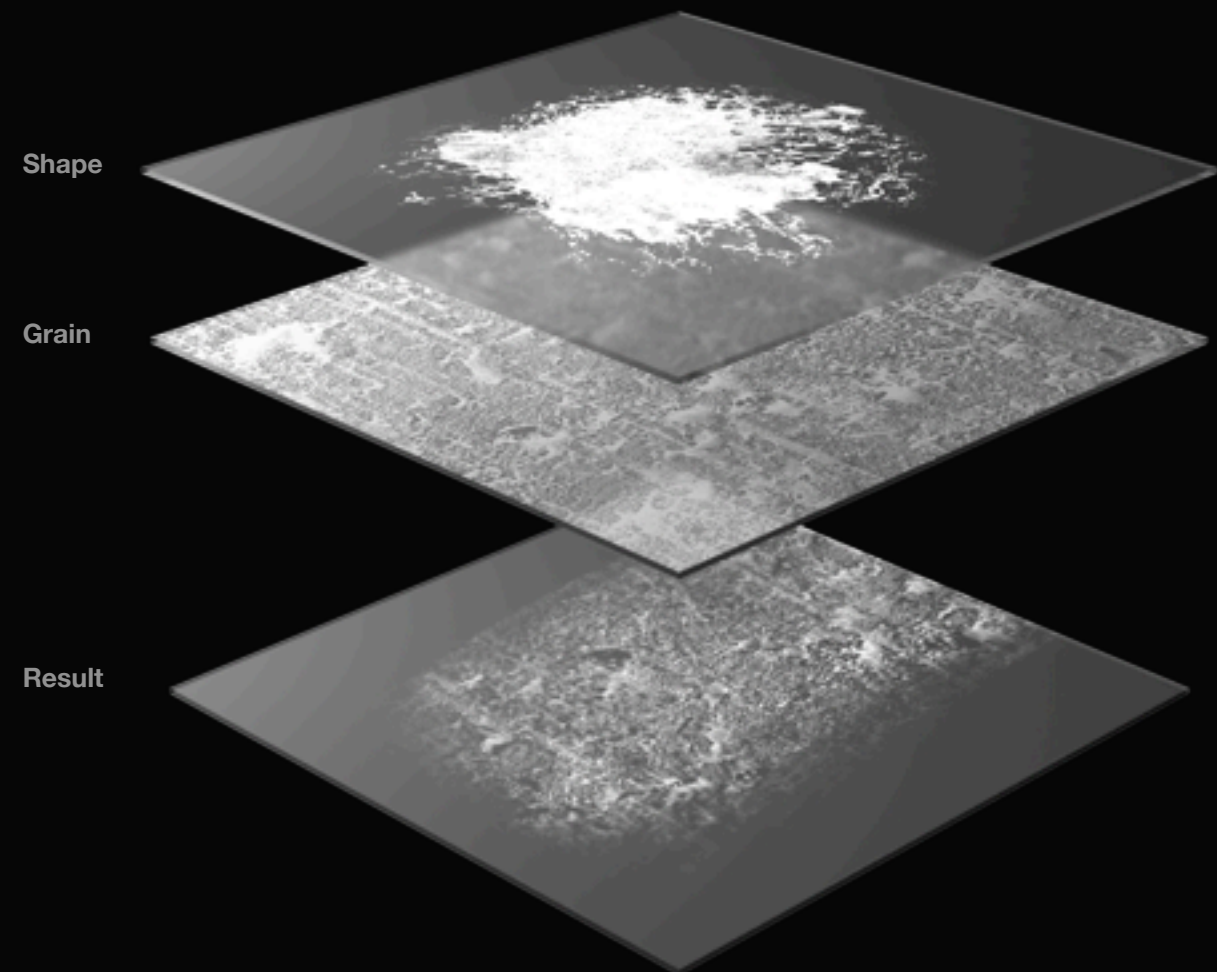
The brush Shape is a container that houses the Grain. Whatever your Grain is, it will fit inside the Shape just like a stencil.

Grain

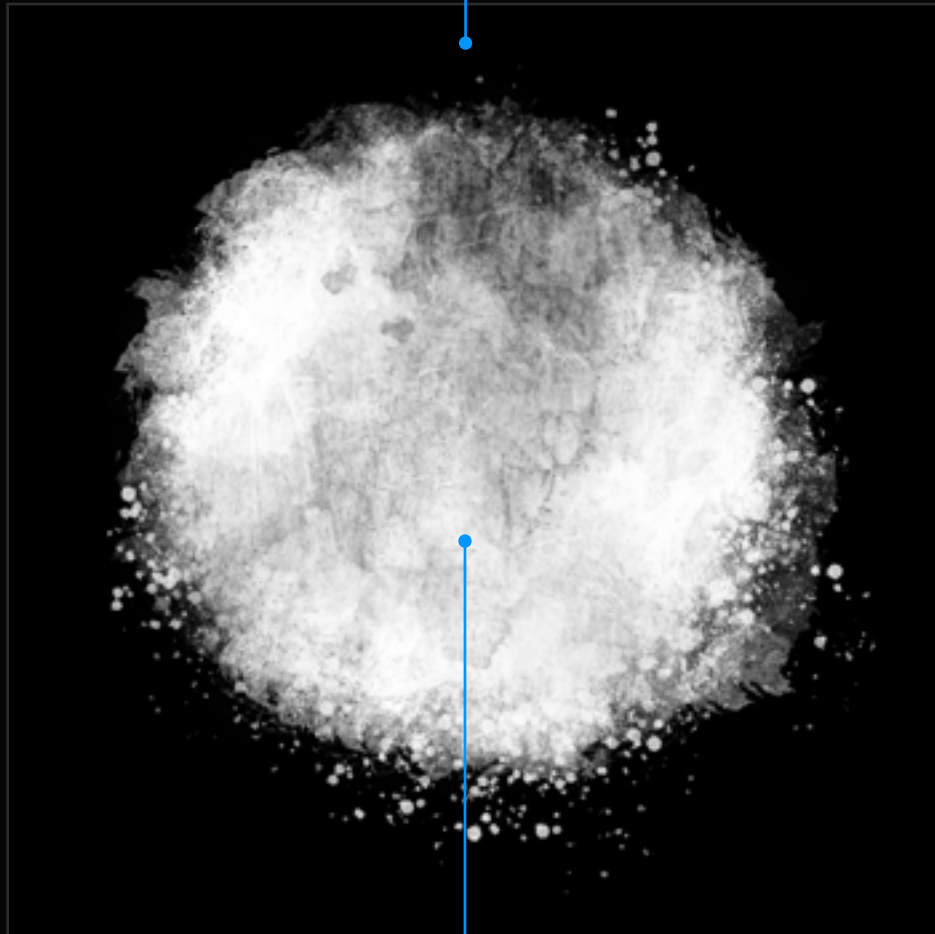
Think of the Grain as a paint roller. When you paint a stroke, the Grain is ‘rolled’ onto the canvas.

You can load an image from the Pro Library, Photos app, or any other connected location through the Files app. You can even just drag an image straight onto your brush source. The images found in the Pro Library are those used by the Procreate default brushes.

Once you have entered both Shape and Grain, the icons for brush settings will appear along the bottom of the panel, allowing you to start editing your brush’s behavior. You must enter both Shape and Grain to save your brush.



Use 100% black for pure transparency



Use 100% white for pure opacity

Create your own Grain or Shape

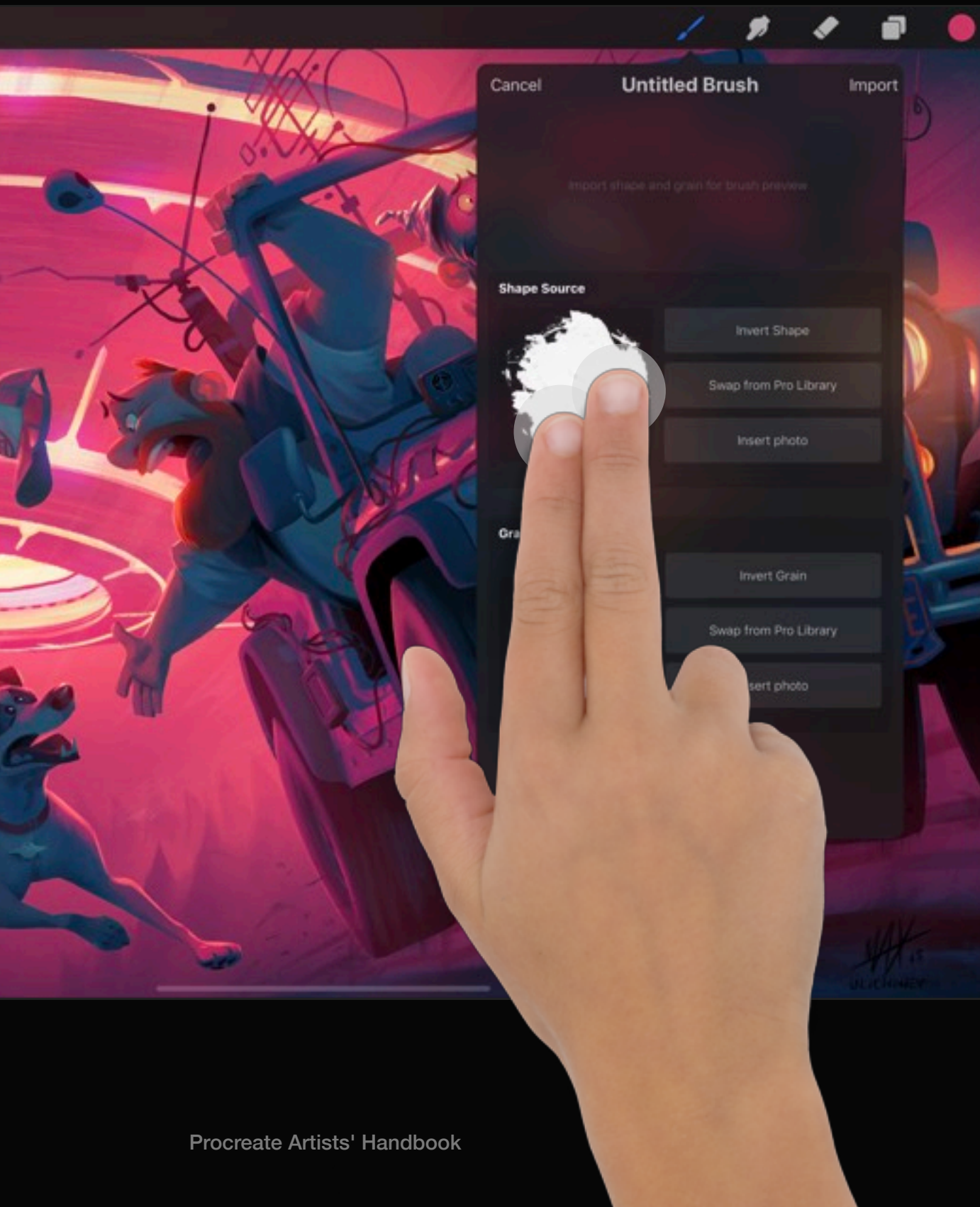
The most amazing brushes can come from experimenting. A couple of things to remember so you keep making the best possible brushes:

Pure black will be 100% transparent, while 100% white will be solid. Anywhere in between will be semi-transparent.

Grains work better when they are seamless. There are some great tutorials online on how to make seamless textures.

The key to discovering great brushes is to experiment. Import a random photo into the Grain or Shape Source, tweak a few sliders, and see what happens!

You can test out your brush immediately by painting in the Brush Preview.



Inverting source images

Within the Source tab of the Advanced Brush Settings popover you can invert your source image.

Two-finger tap the Shape or Grain Source image to invert it, or tap the Invert Shape or Invert Grain button to its right. This will make blacks white and vice versa. This will greatly impact the way it paints your canvas, and can be useful for reversing the effect of a Grain.



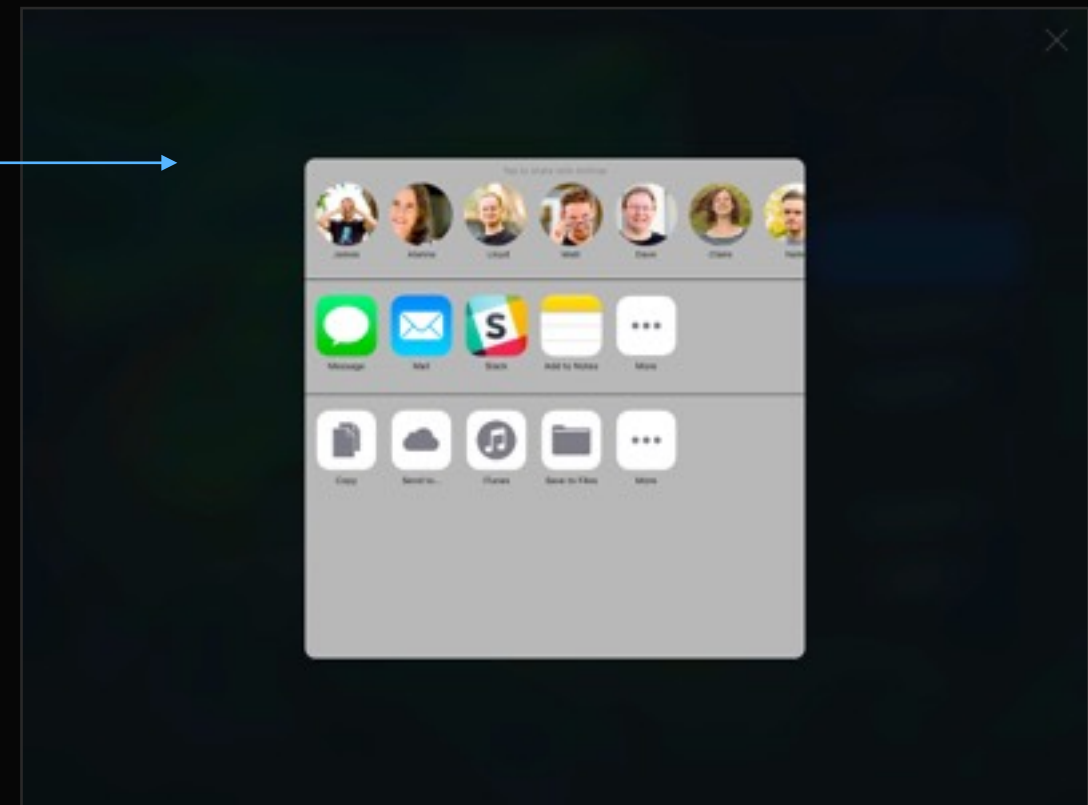
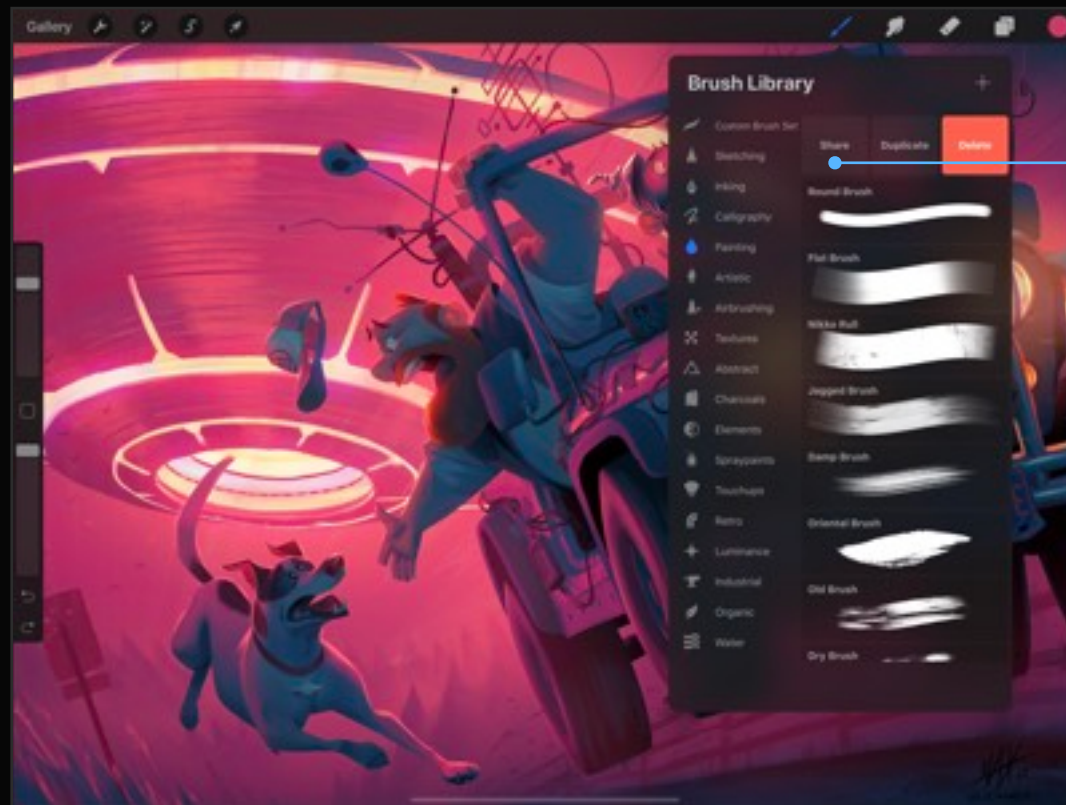
Rotating source images

You can easily rotate your source image in the Source tab of your Brush Settings.

Pinch and rotate the thumbnail of the source image to rotate it in 90-degree increments. This is particularly handy for when you have a specialty brush that needs to follow an exact path or direction.

Sharing custom brushes

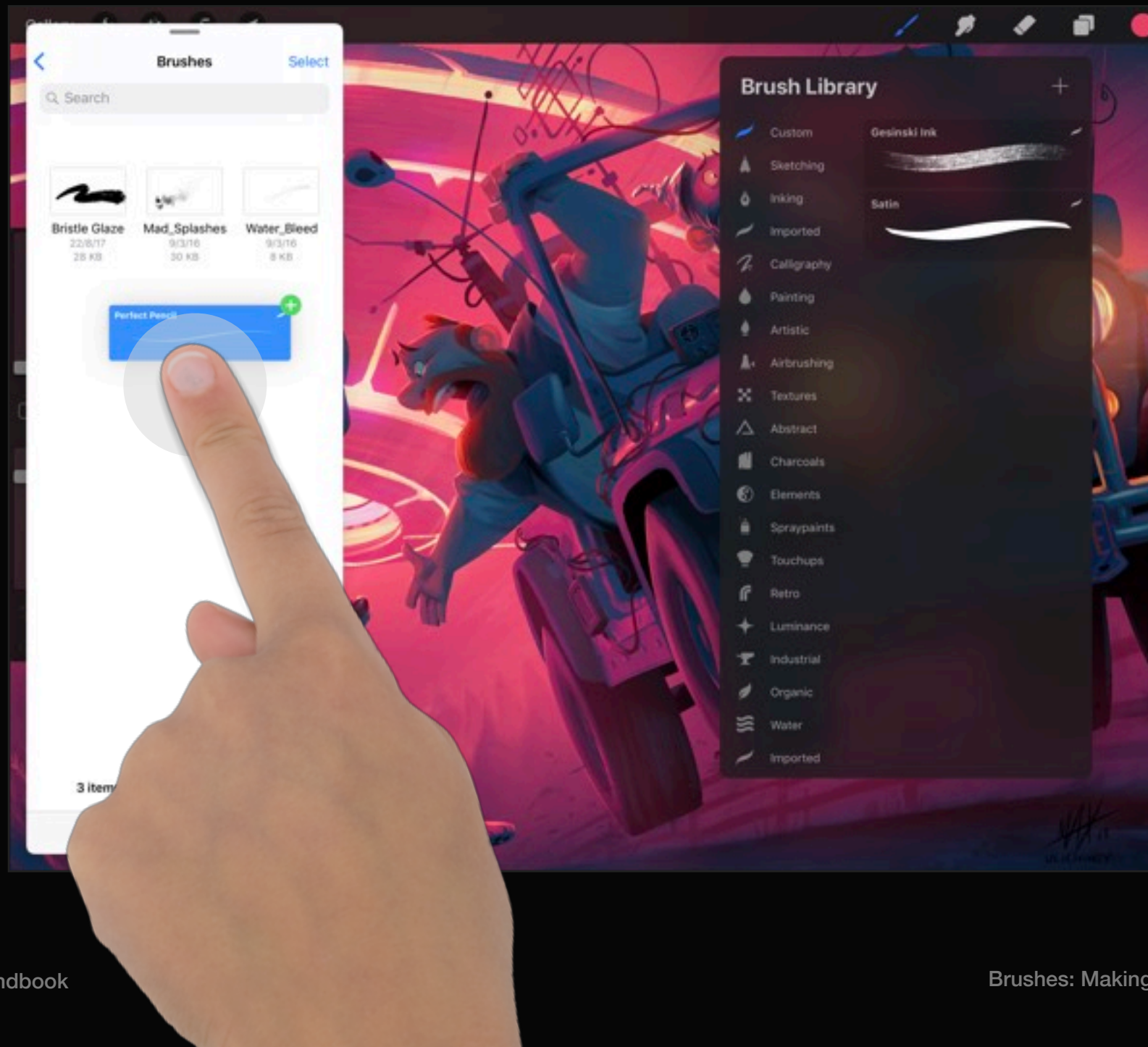
Swipe the thumbnail of the brush in the Brushes popover to reveal the Share option. Tap Share to package your custom brush into a .brush file to send to friends via email, iTunes, or any connected cloud services.



Drag and Drop to share

Instantly export your brushes anywhere you like.

Pick up a brush and drag it to any compatible location to export it as a .brush file. Swipe brushes to the right to select them and drag them as a group, or pick up one brush then tap others to add them to the stack and export them all at once.



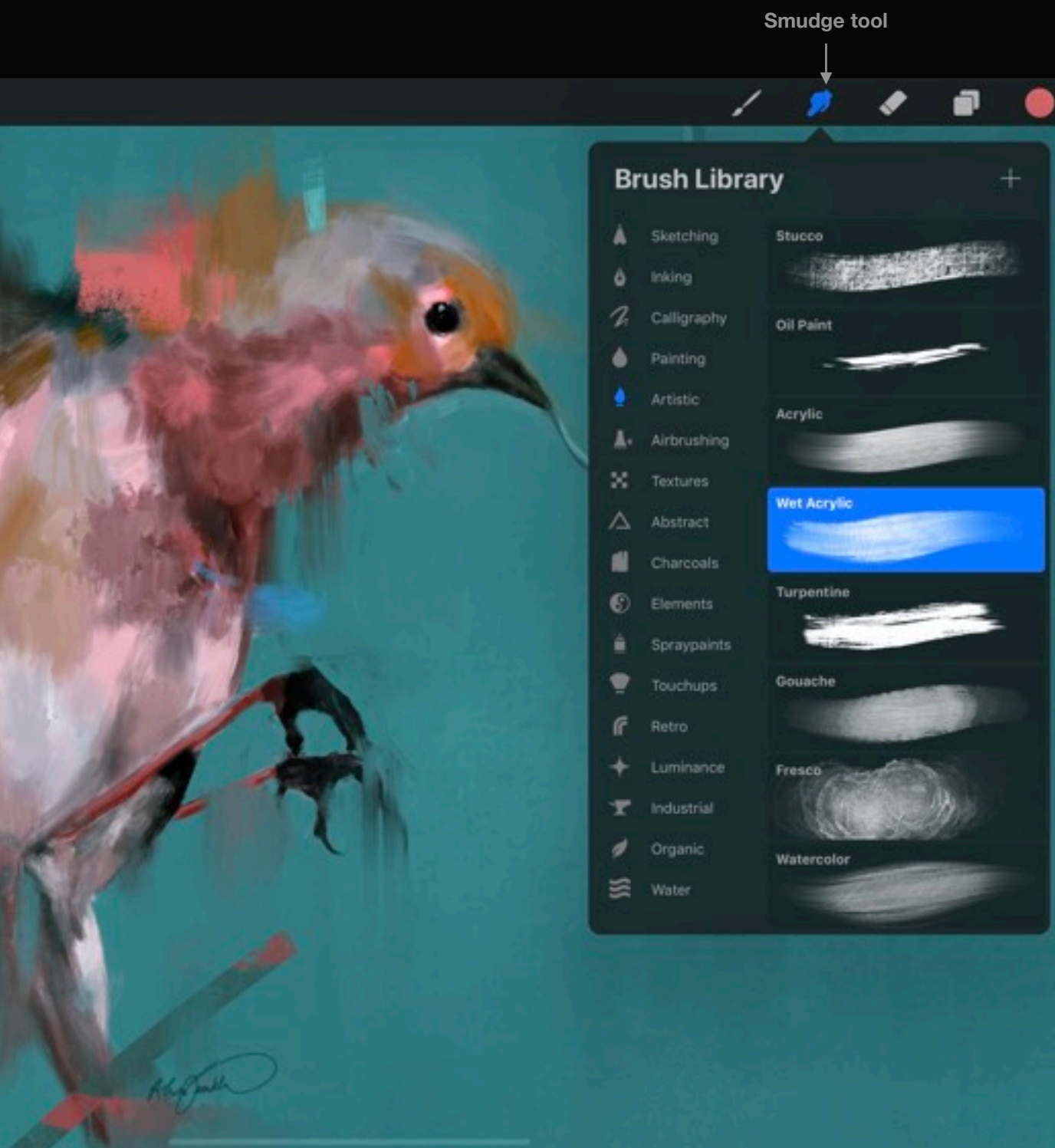


Smudge

Section 1

Smudging colors

Find out how to get the most responsive color blending on a mobile platform. Procreate uses 64-bits per pixel to smudge, and once you've tried it you won't go back to anything less.



Smudge tool

Select the Smudge icon and tap it again to bring up the Smudge popover. Once you have selected your smudging brush, tap outside the popover.

Remember that Smudge shares the same library as Paint, so try experimenting with different brushes for unexpected smudging results.

Different strengths, different effects

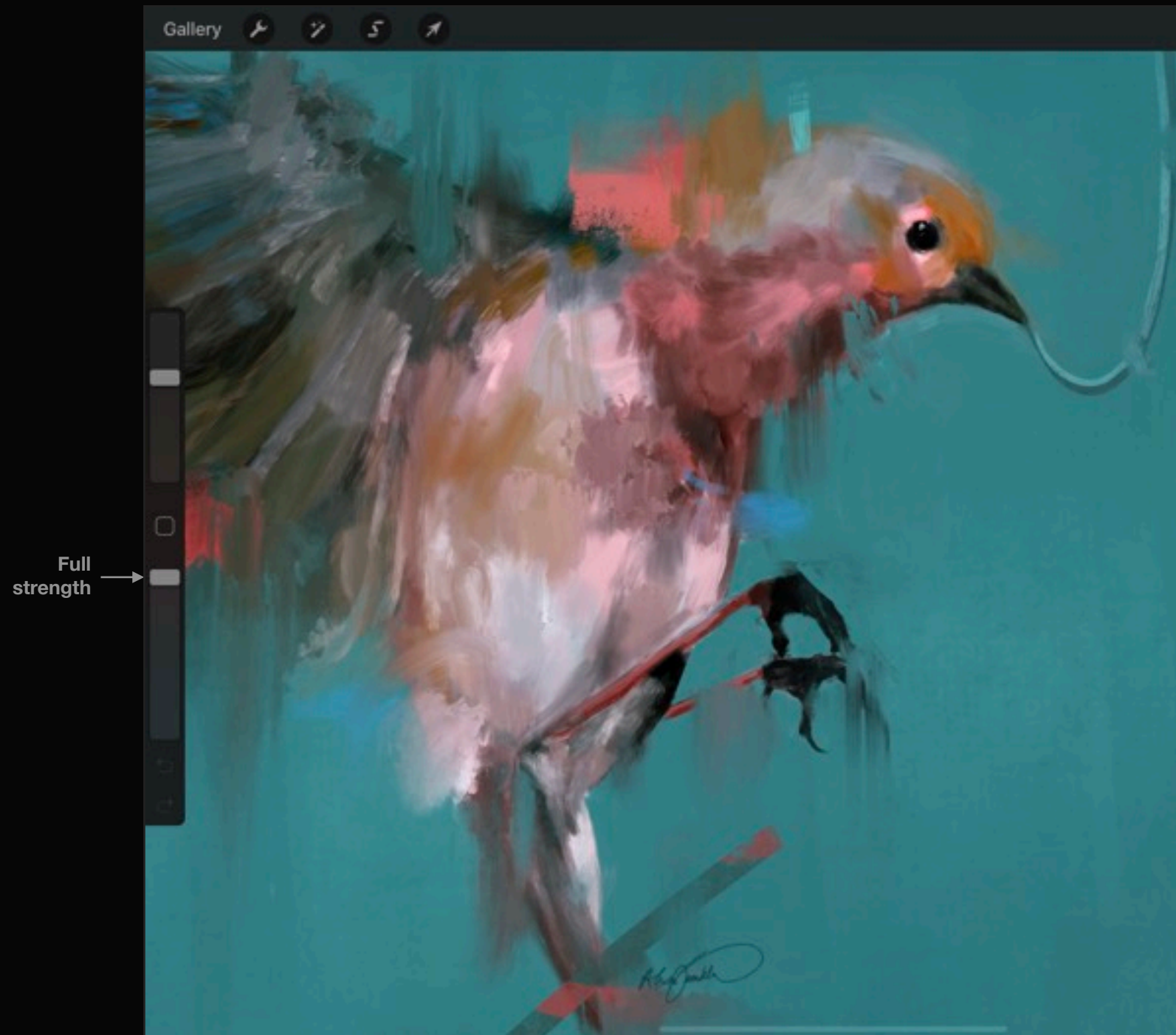
The Smudge tool gives varying effects depending on the value of the opacity slider.

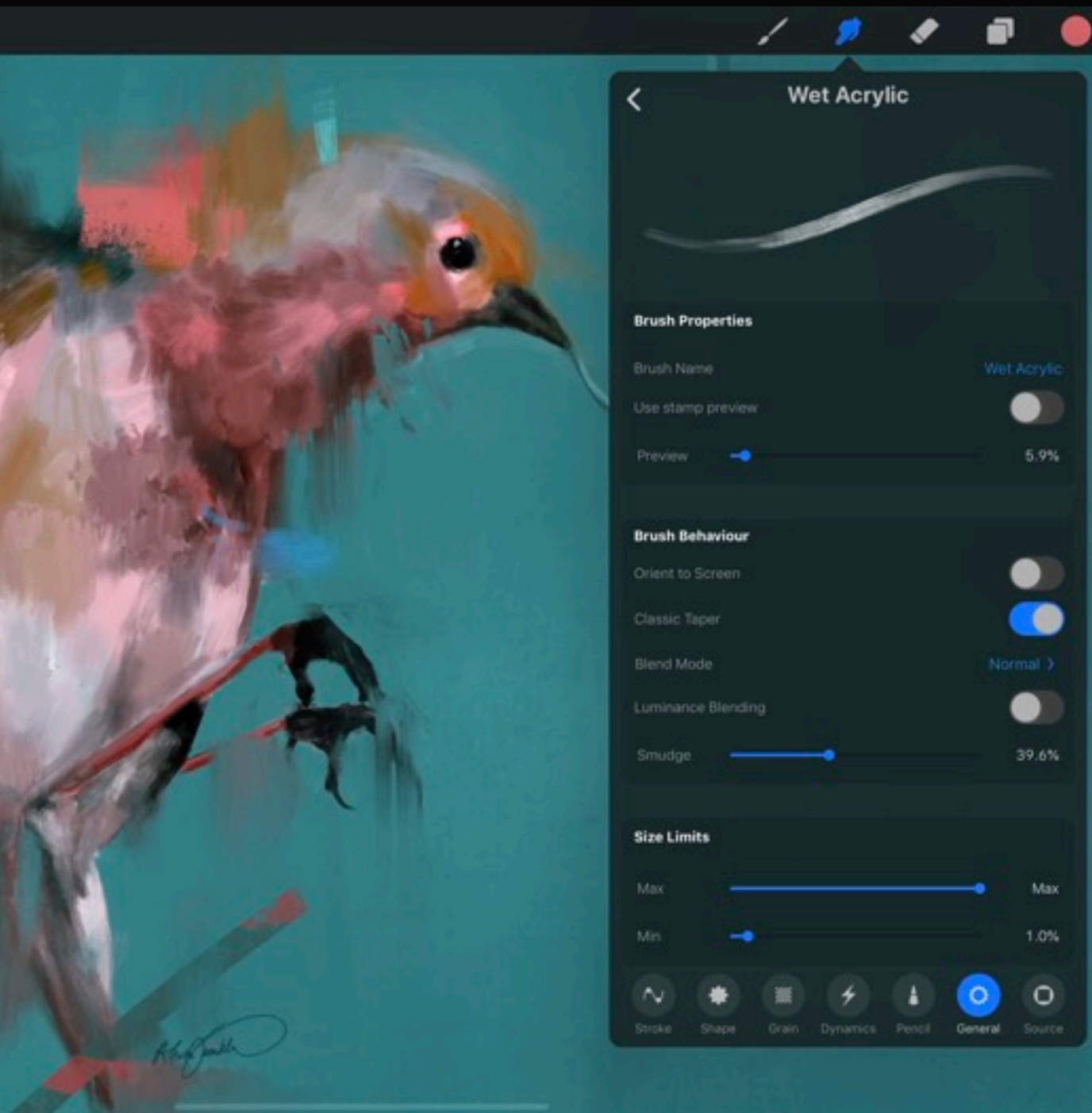
Higher strengths

By using Smudge at full pressure, color will really be pushed around, like wet paint. It will mess up colors very quickly and quite often give harsh drag lines as you smear the paint.

Lower strengths

At lower strengths Smudge will be smoother and softer. This is useful for creating very smooth gradients or smudging pencil drawings.



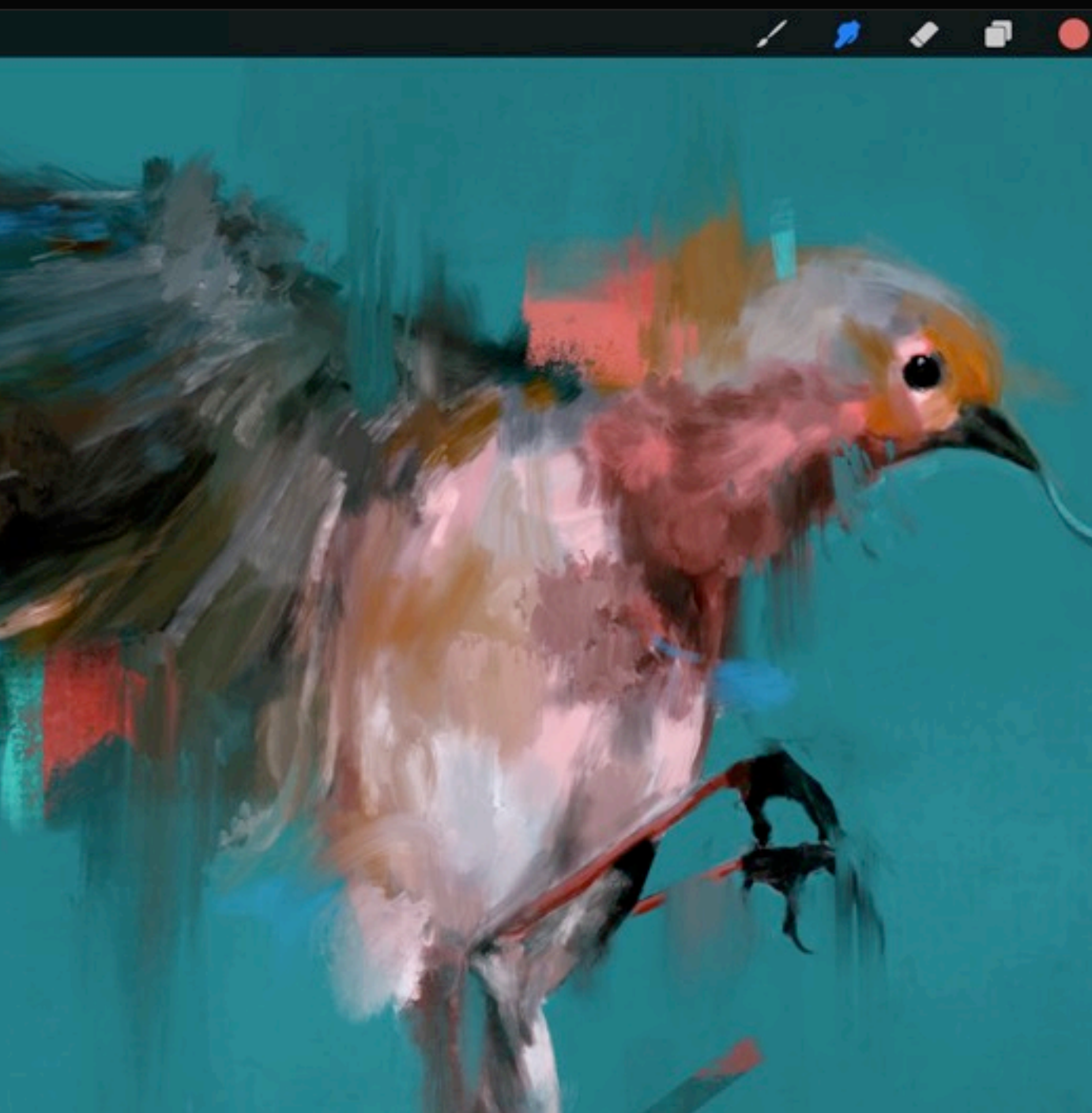


Full Smudge control

Use the new Smudge slider to control exactly how much paint you move around.

The Smudge slider in the General tab of Brush Settings determines how aggressively your brush will pull paint around while smudging. Higher values will pull more paint for a longer stroke. Try experimenting with different Smudge values to find the effect that suits your style.

← Adjust Smudge



Color mixing

Mix and blend colors on your canvas in all new ways.

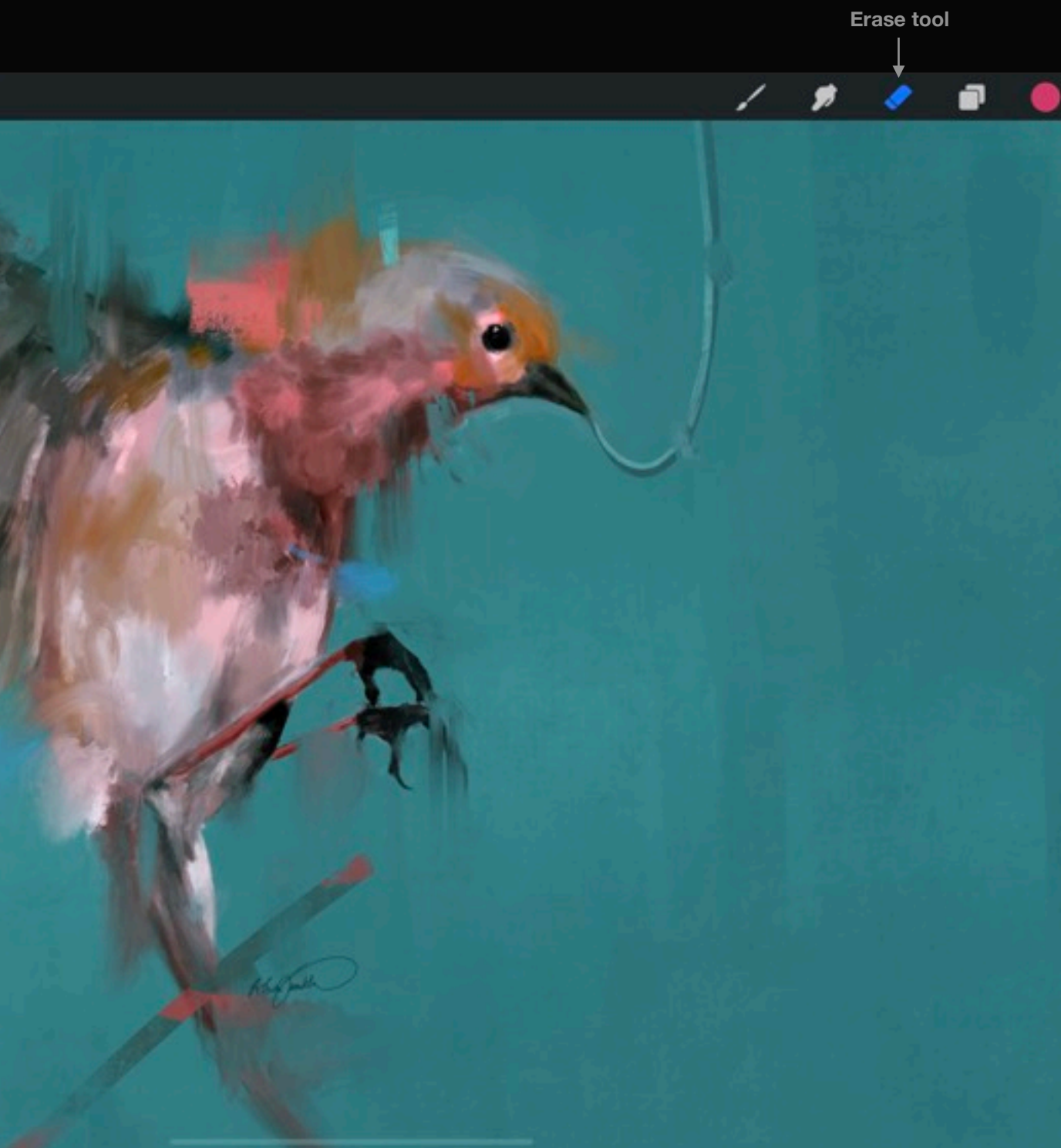
Use brushes with a high Smudge value to blend colors together on your canvas. Pull in color or transparency for vibrant, dynamic results.

Erase

Section 1

The Erase tool

Learn to 'paint' or fix mistakes with the Erase tool.
You'll also learn how to match your eraser to your artwork.



Paint with the eraser

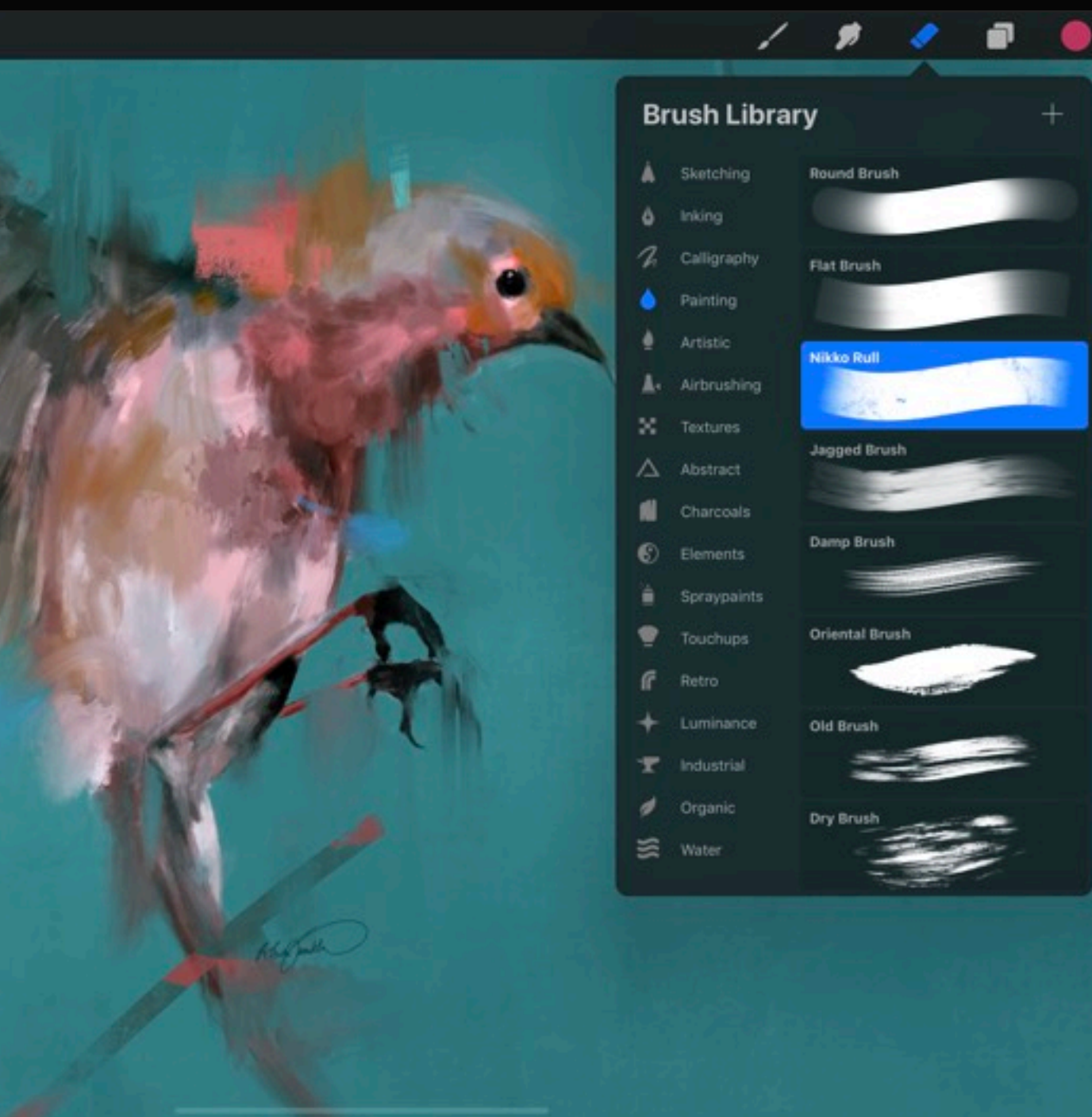
The eraser is just as powerful as the paint brush. Use the eraser to 'carve out' or soften areas of your artwork.

Erase tool

The Erase tool is controlled just like the Paint and Smudge tools. Tap the icon once to select it, or twice to choose any brush in your library.

Pro tip:

Slip-ups happen to the best of us. Luckily, Procreate has the same great brush control when using an eraser. Use the eraser to fix unwanted areas of your canvas fast.



Match your eraser to the style of the art

By matching your eraser with your painting brush, you'll create a seamless style.

Using the example to the left, we might choose something with a lot of texture to match the paint strokes on the canvas.

Or, if you're sketching, pick an eraser that has a similar texture to the pencil. That way, if you happen to go over any lines you won't get an obvious, harsh line like you would with a flat eraser.

You can also use this technique to fade off or lighten areas where the pencil is too dark.

Section 2

Fix mistakes

Read about how to manage your mistakes quickly using Undo, Redo, and clearing a layer.

Undo and Redo

Procreate comes with up to 250 Undo and Redo states. That's a lot.

Tap the Undo or Redo arrow to find where you went wrong, and try again. When cycling through your Undo/Redo states, a notification will let you know which action was last affected.

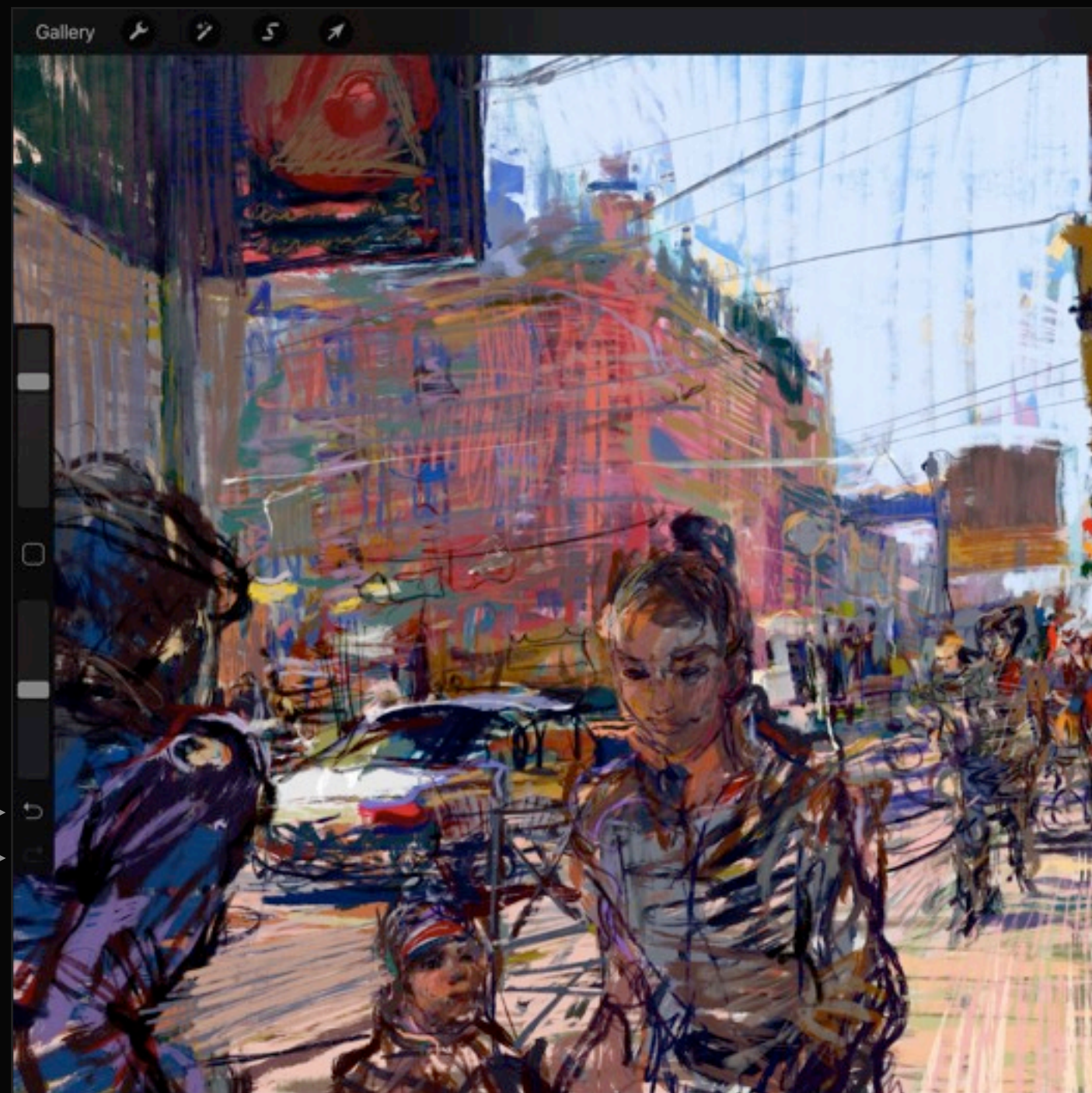
If you have Rapid Undo enabled, you can hold down the Undo or Redo button to move through the steps quickly until you lift your finger.

Alternatively, you can use the gestures. See page 53 for more information on gestures.

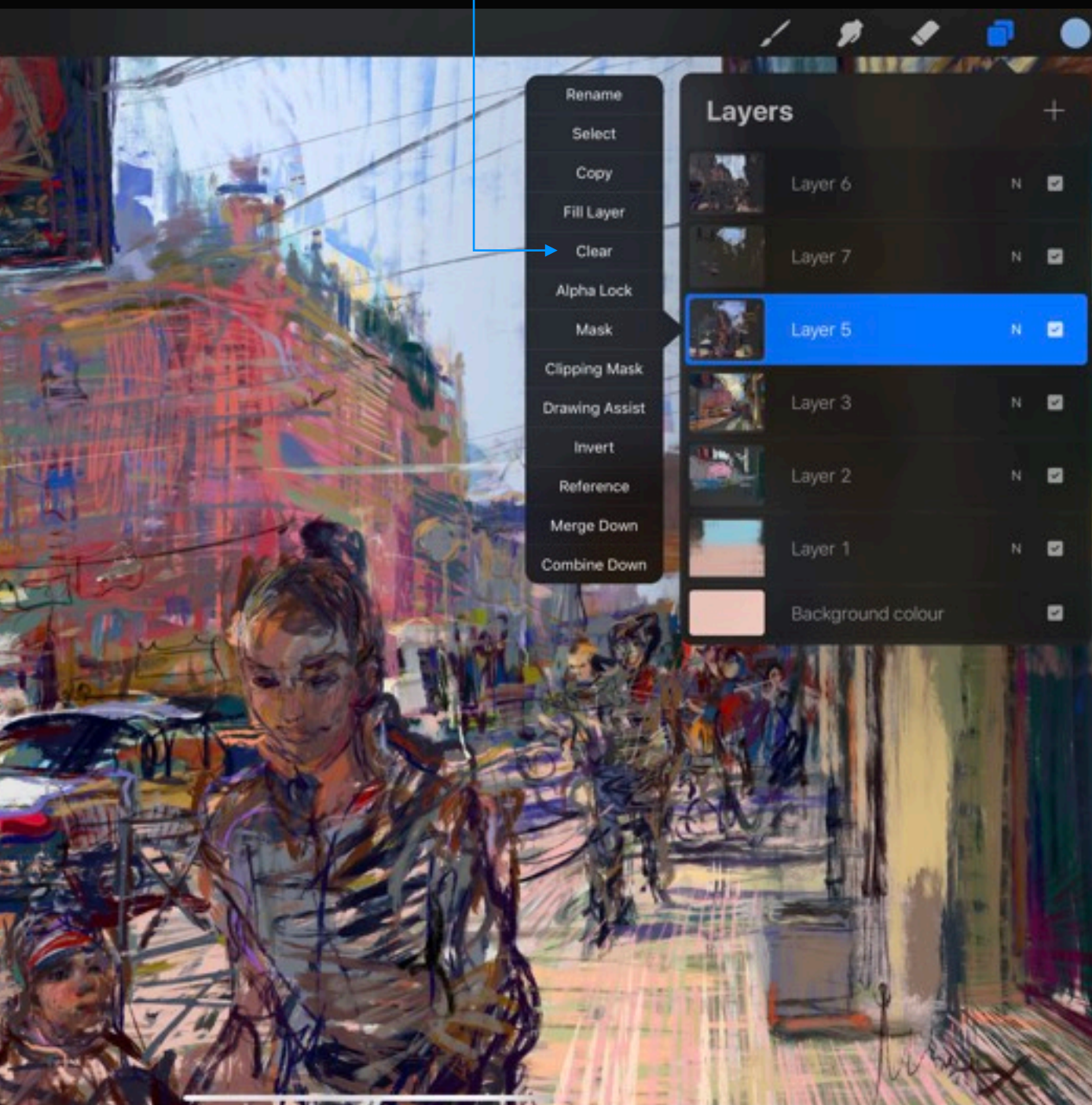
Once you return to the Gallery or exit Procreate, all undo and redo states will be cleared and your changes will be permanently saved.

Undo →

Redo →



Clear the selected layer



Clearing a layer

There are two ways to clear an entire layer quickly and be sure there are no traces remaining.

Open the Layers popover and select the layer you wish to clear. Tap it again to reveal the Clear option.

For an even quicker solution, you can also use the Clear Layer gesture.

See page 53 for more information on gestures.



QuickShape

Section 1

QuickShape overview

Draw a line or a shape, then hold the end of the stroke to watch it snap into a perfect form. There's no changing tools or diving through menus. Learn how to take full advantage of this simple but effective tool.

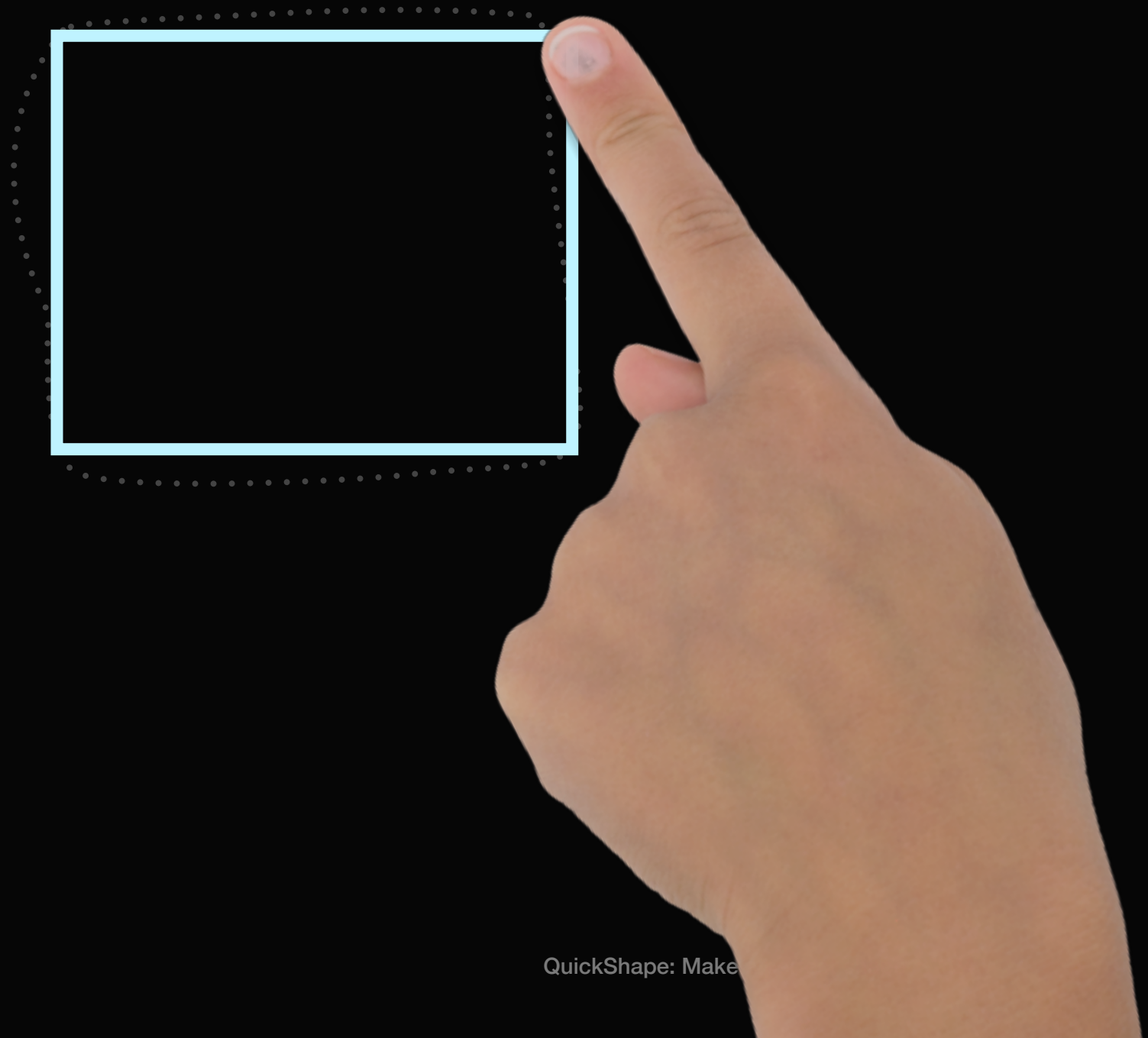
Draw a line or shape and hold

Using any brush, draw a line or a shape as best you can and then hold.



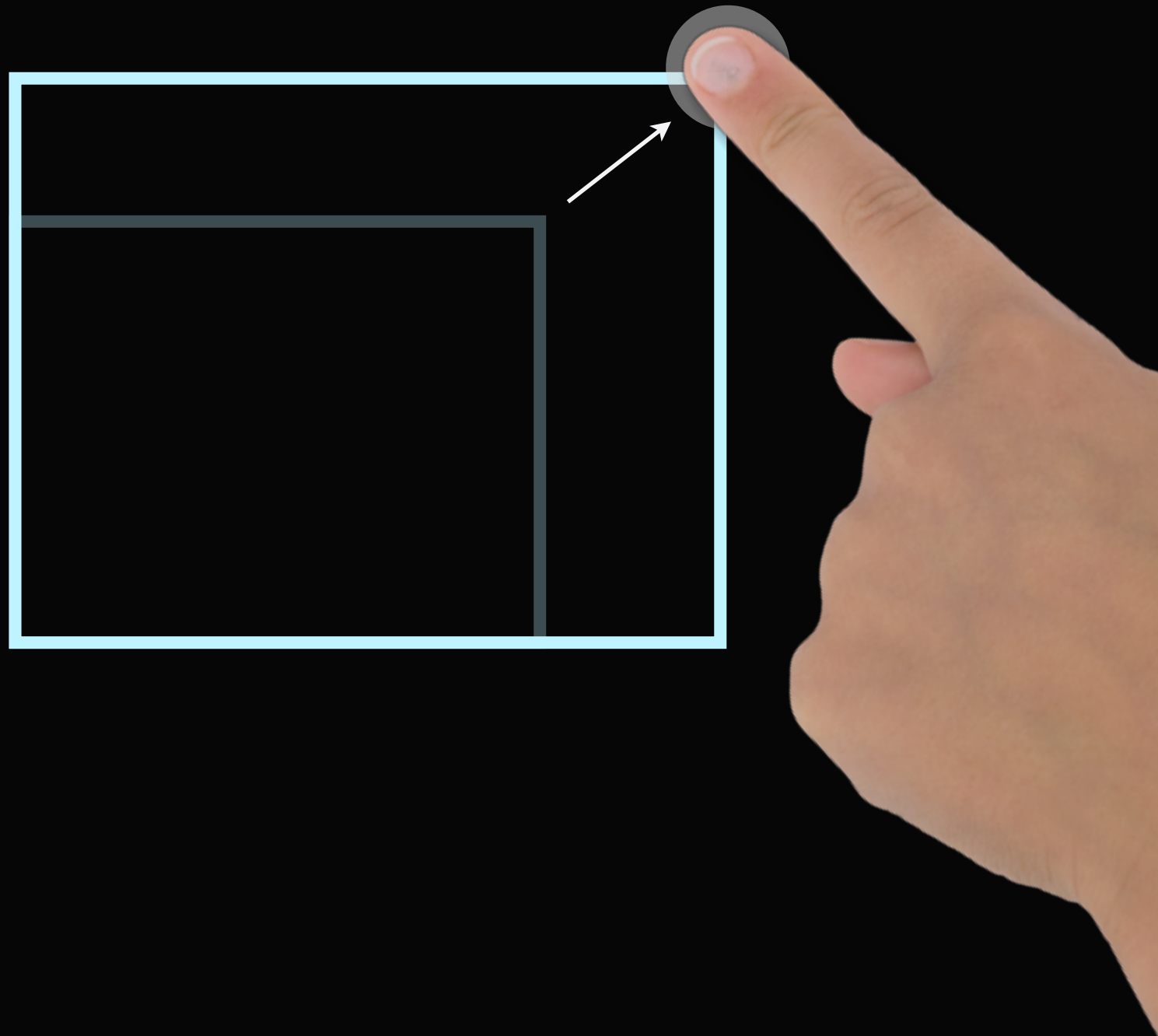
Instant shapes

When QuickShape invokes, your stroke will snap into a line, arc, polyline, ellipse, triangle, or quadrilateral.



Dragging QuickShapes

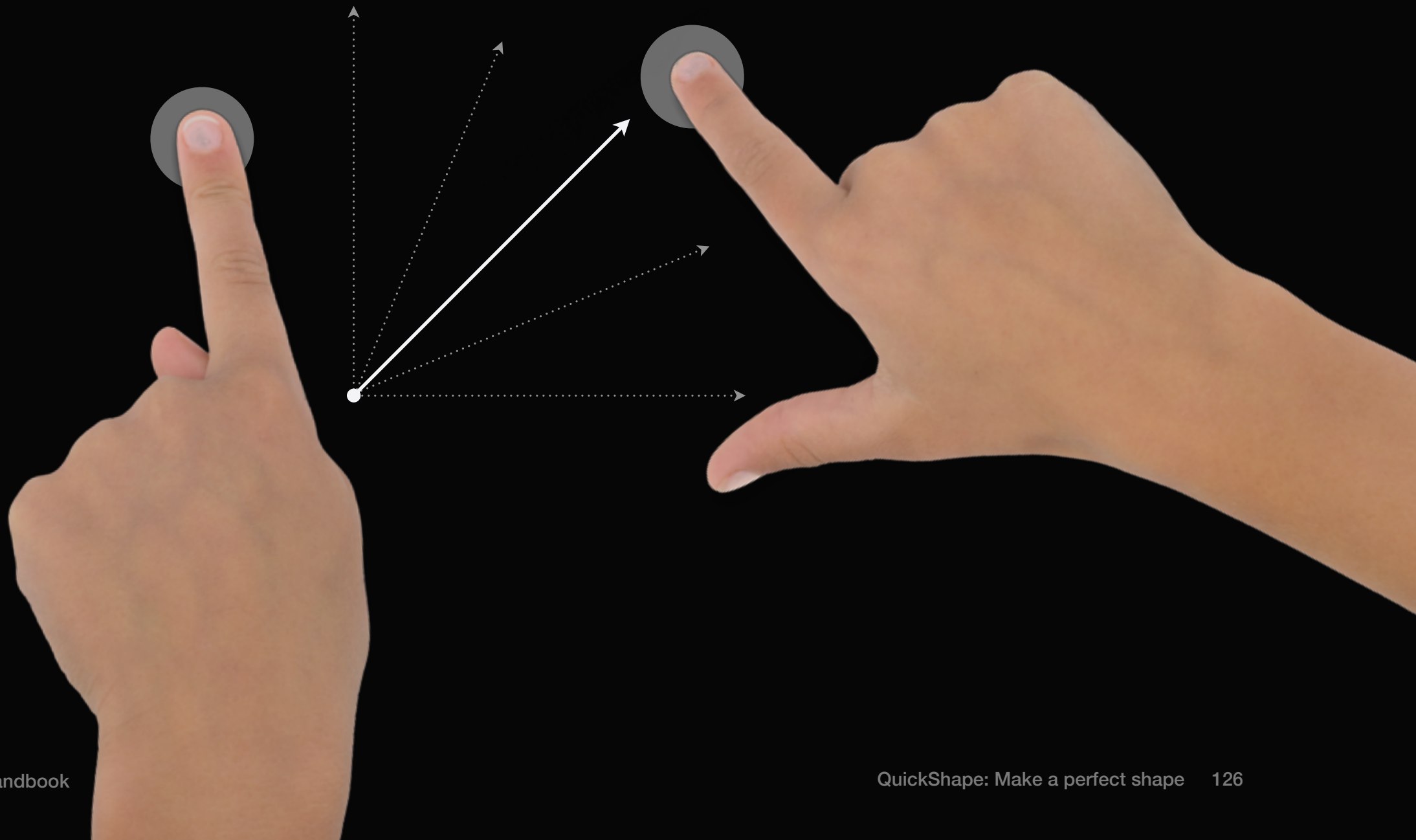
Once you've made a QuickShape, keep holding and drag to adjust the scale and rotation of the shape.



QuickShape snapping

While dragging a QuickShape, place another finger on the canvas to snap the rotation of the QuickShape in fifteen degree increments.

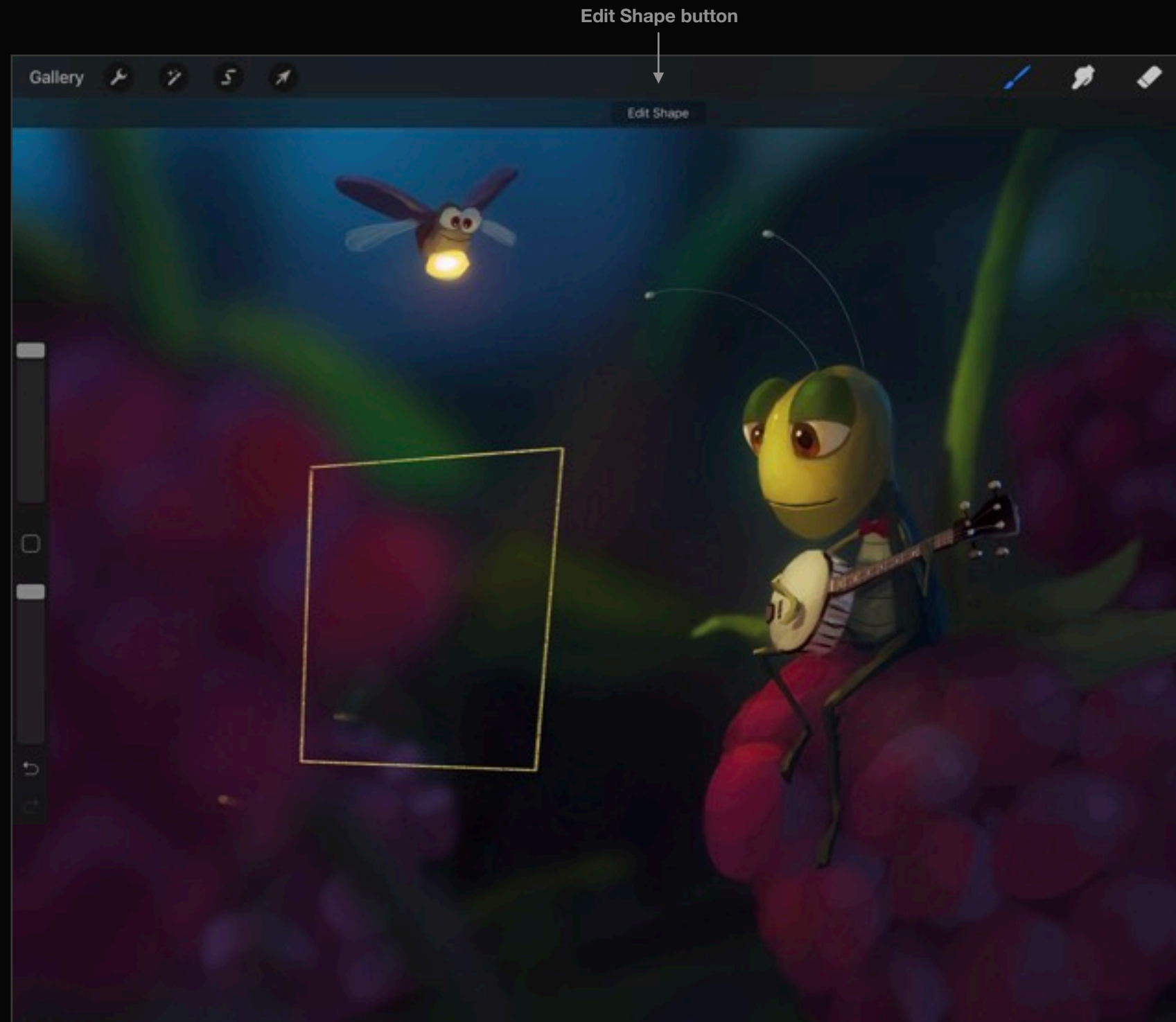
If your shape is unequal, this mode will also snap your shape into the closest equal form, so that the rotation snapping can be applied correctly.



Edit Shape

When you release your shape, the Edit Shape button will appear in the notification bar. You can tap this button to change your shape type. The available options are determined by your initial shape.

If you don't want to edit, just continue painting or tap anywhere to dismiss the button.

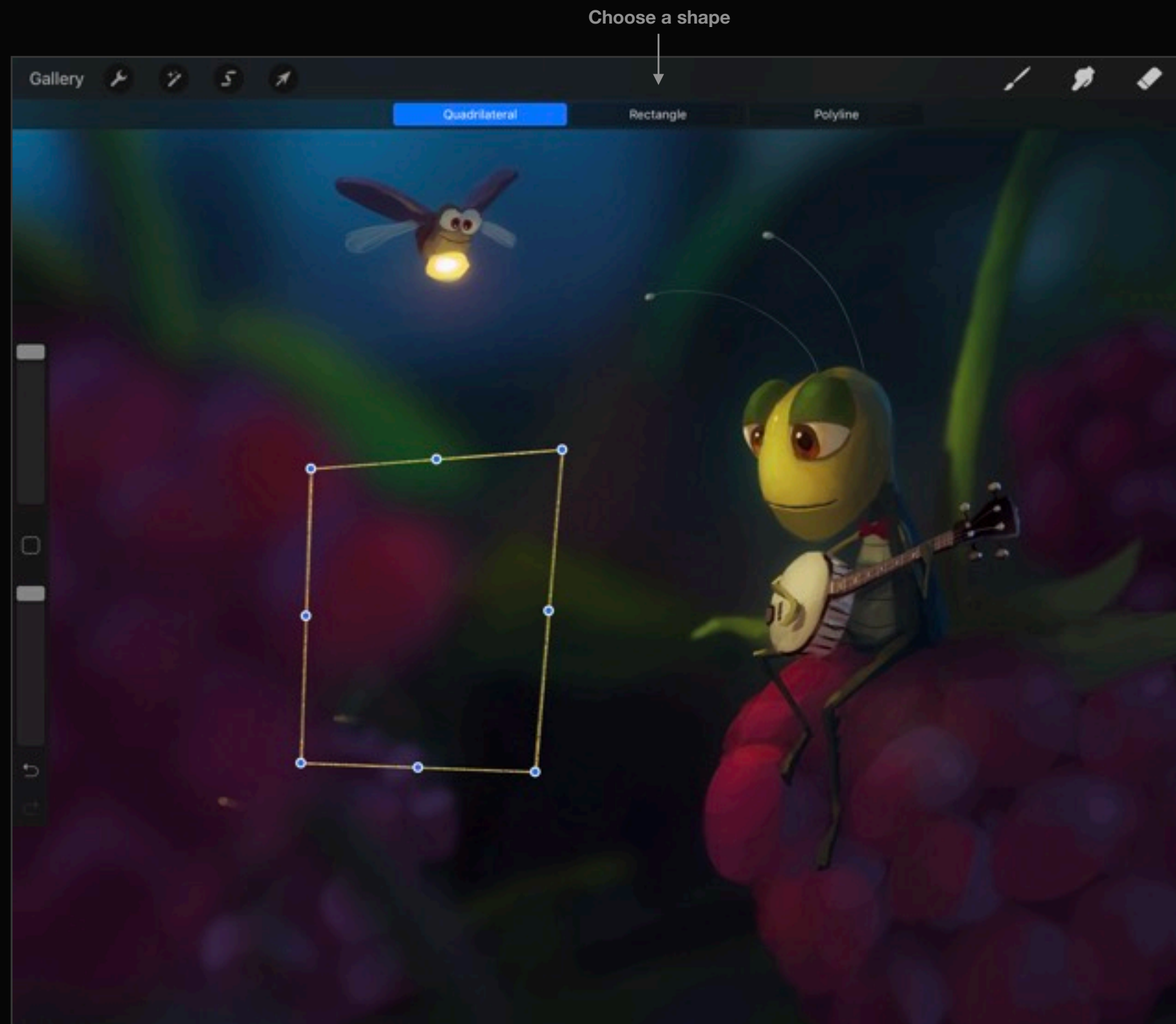


QuickShape Edit

When you enter QuickShape Edit mode, transform nodes will appear on your shape.

These allow you to precisely tweak your QuickShape; just drag a node to adjust that part of your shape. To uniformly scale your shape, drag the shape itself at any location between the nodes.

When you're done, just tap any other tool.



Section 2

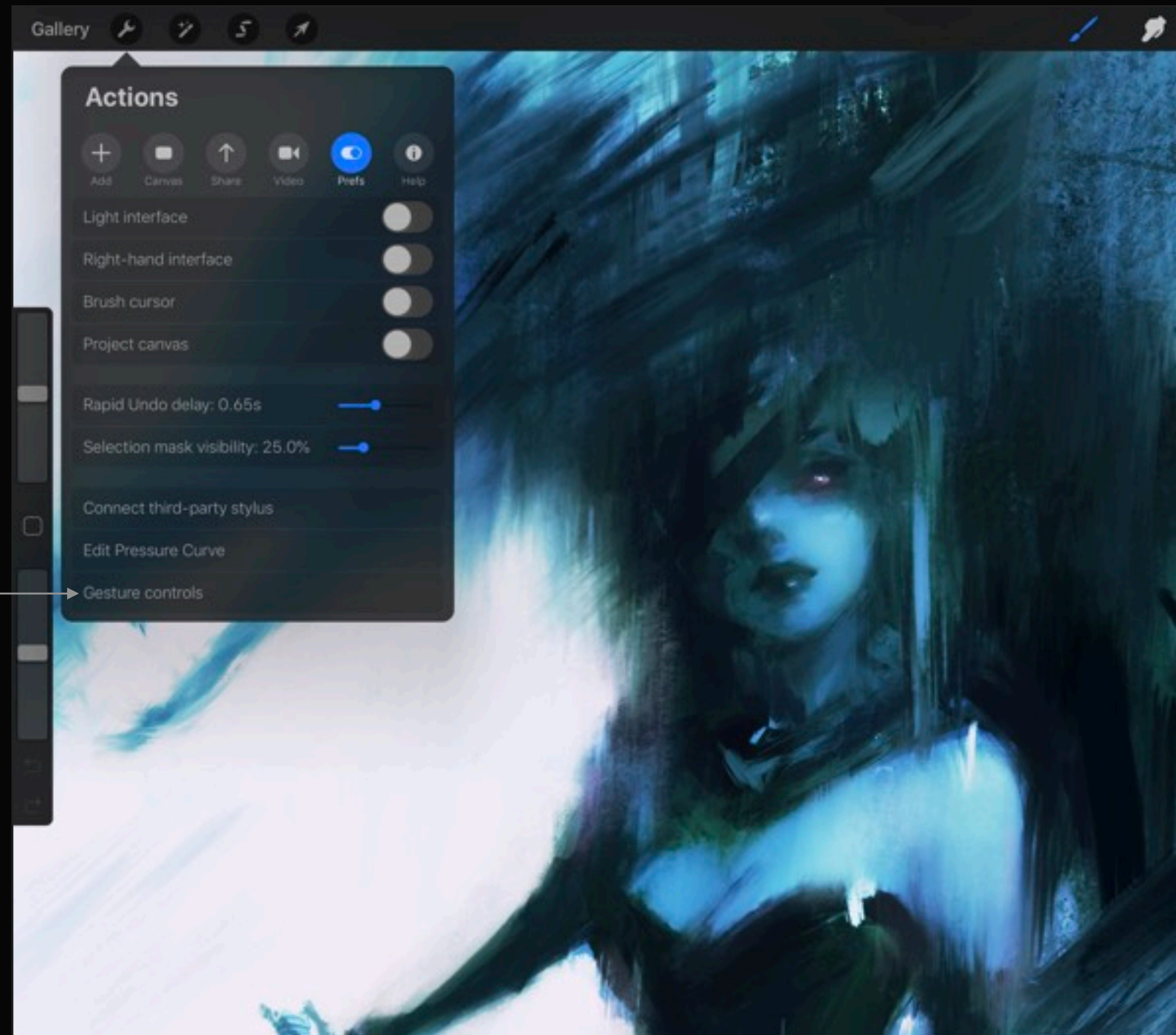
QuickShape customization

Learn to adjust your QuickShape options to perfectly suit your workflow.

Gesture controls

Open Gesture Controls from the Prefs menu to fine-tune your QuickShape options.

Gesture Controls



QuickShape options

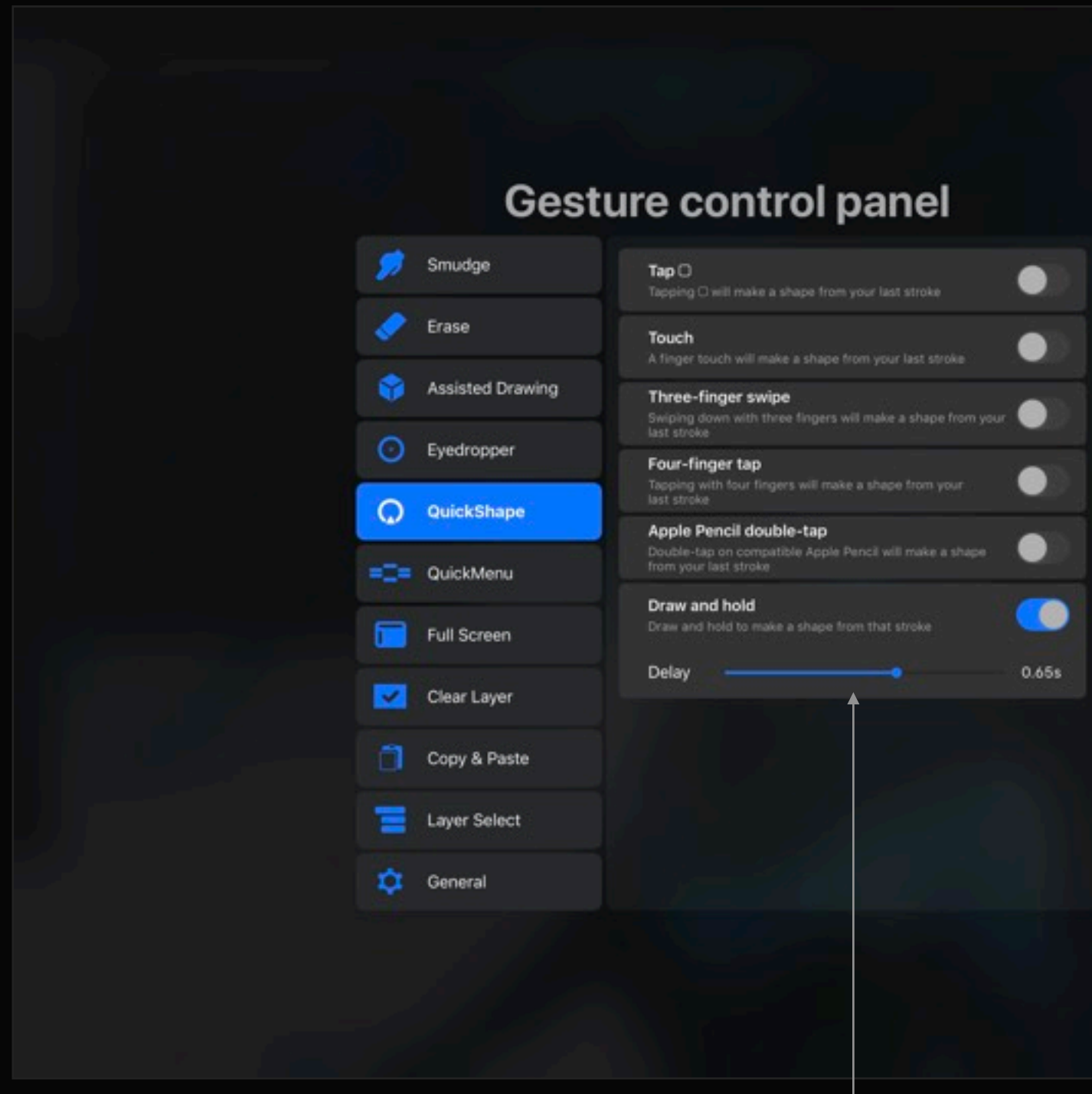
Adjust the delay before QuickShape activates, or choose other methods to invoke.

By default, the Draw and Hold option is enabled for QuickShape. Here you can adjust the delay before this option invokes, deactivate it, and select other invocation methods for QuickShape.

Draw and Hold will invoke QuickShape on your current stroke. All other methods will invoke QuickShape on your previous stroke, if you invoke immediately after painting.

Pro tip:

You can also invoke QuickShape or toggle the Draw and Hold method from your QuickMenu. See page 427 to learn more about QuickMenu.



Adjust delay

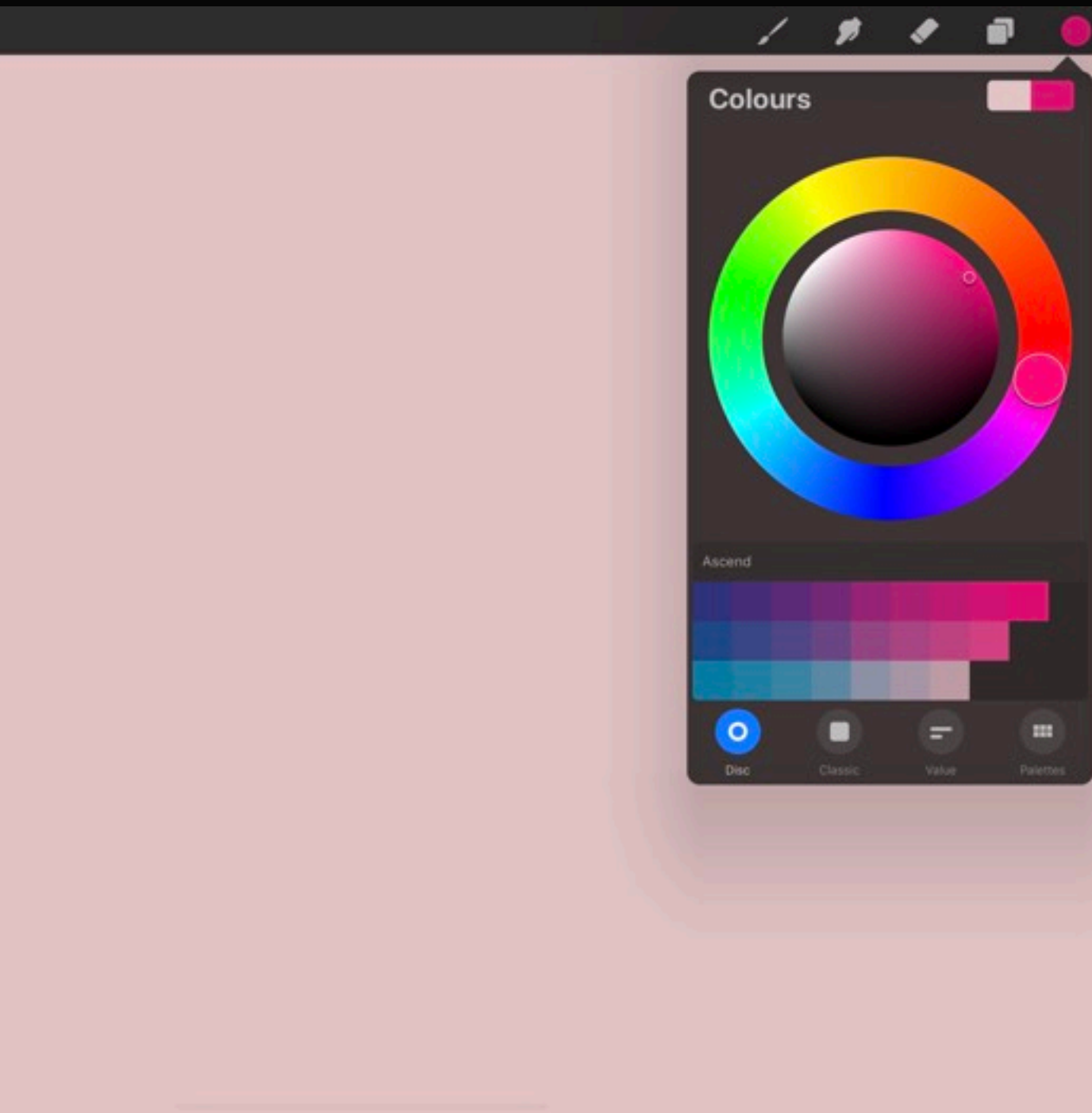
Colors

The background features a series of smooth, overlapping waves in shades of pink, magenta, and purple. These waves originate from the bottom left and flow towards the right side of the frame. The top half of the image is a solid black, providing a high-contrast backdrop for the vibrant colors below.

Section 1

Colors interface

Procreate comes with 4 interface options for you to pick, save, and control colors.

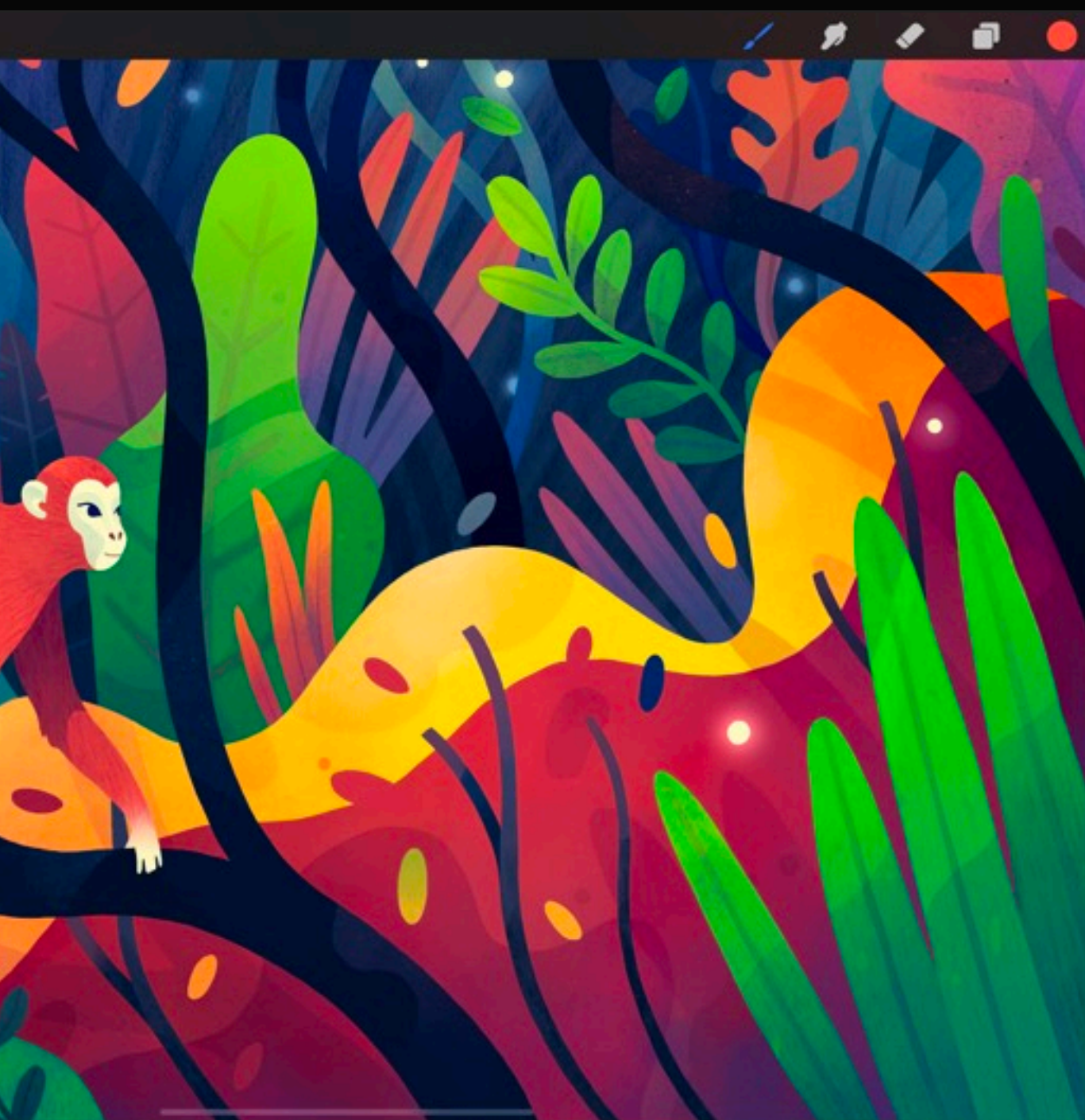


Colors overview

The color popover is where you choose, modify, and save colors.

The round swatch at the top right of the interface shows your currently selected color. The dual swatch at the top right of the color popover shows your current color and your previous color, and the tabs along the bottom let you access the Disc, Classic, Value, and Palettes modes.

Procreate also has an instantly accessible Eyedropper, so you can quickly sample any color from your canvas.



Tap and hold to revert
to previous color

Previous color feature

Quickly switch between two colors.

Just tap and hold for a moment on the color swatch to switch back to your previous color without opening a menu.

Sampling from the canvas

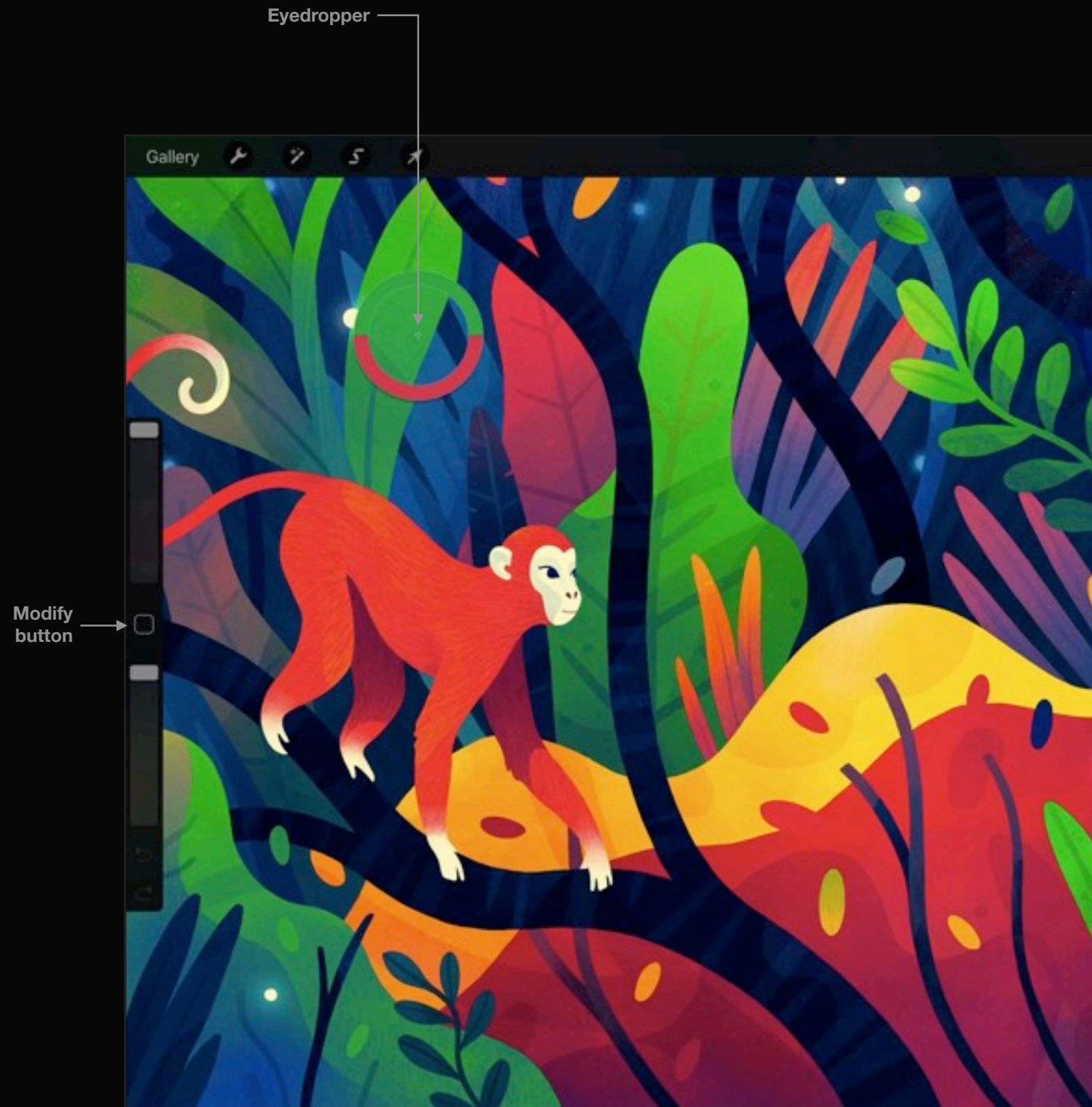
Rapidly select a new color from anywhere on your canvas.

Eyedropper

Hold the Modify button on the sidebar, and tap anywhere on the canvas to invoke the Eyedropper. You'll see the sidebar around the button darken slightly when the button is active. If you hold your finger on the canvas, you can drag the Eyedropper to your desired location and release to select a color.

Your new color is displayed on the top half of the loupe and the current color on the bottom half. As soon as you let go, your new color is selected. You can select different methods for invoking the Eyedropper in the Gesture Controls, available in [Actions > Prefs](#).

See page 360 for more information about the Gesture Controls.



Hold for Eyedropper

Just tap and hold anywhere on your canvas to invoke the Eyedropper instantly.

Once the Eyedropper appears, you can drag it to any location on the canvas, and release to select your color.

Your new color is displayed on the top half of the loupe and the current color on the bottom half. As soon as you let go, your new color is selected. You can adjust the delay before the Eyedropper appears in the Gesture Controls, available in Actions > Prefs.

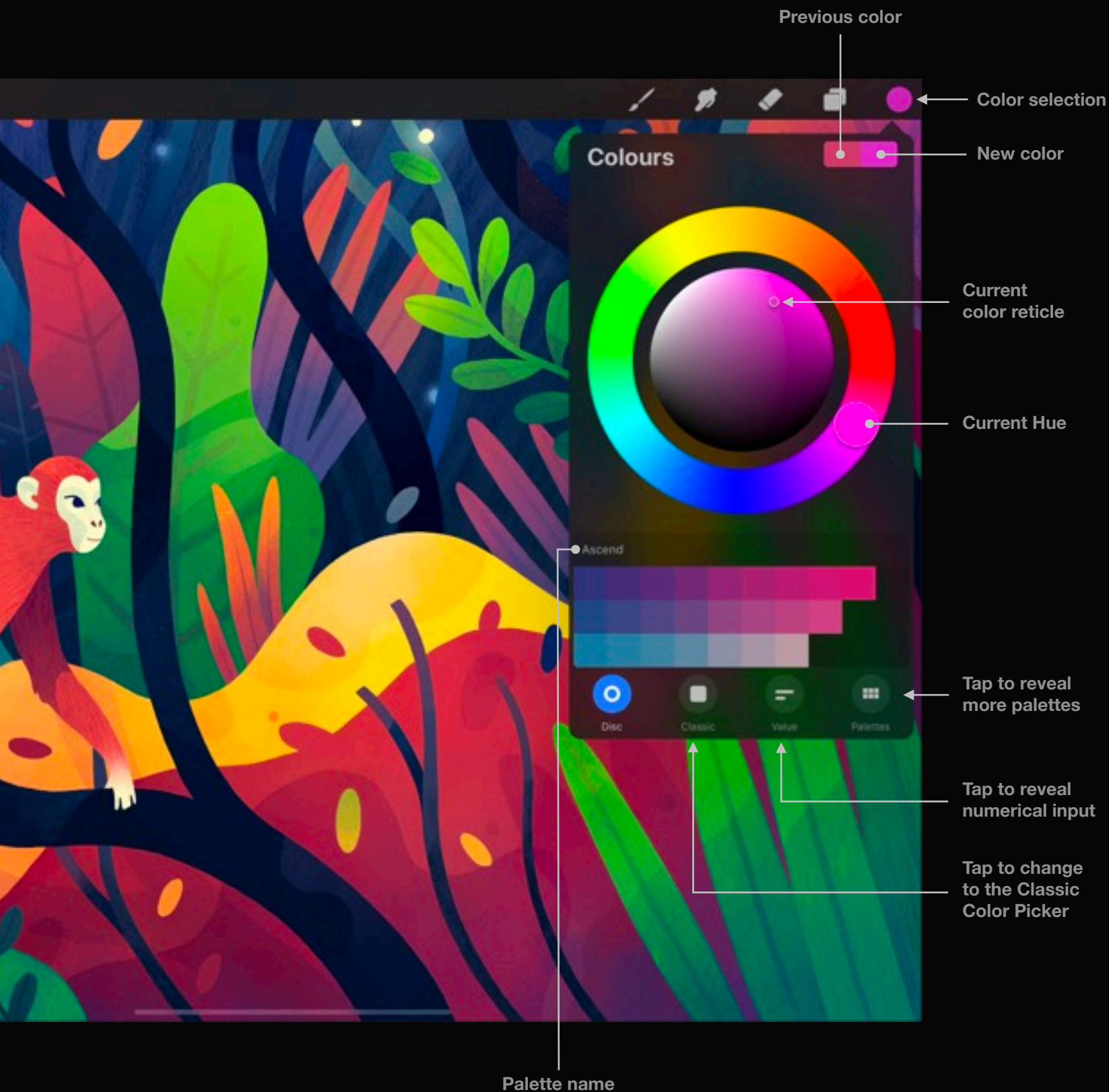
See page 360 for more information about Gesture Controls.



Section 2

The Procreate Color Disc

Press the color swatch at the top right of the toolbar to access the Procreate color popover. The first tab in the color popover shows Procreate's unique color disc.



Color Disc

Procreate comes with a color picker that encourages you to play and experiment.

Color Disc

Tap on the color icon in the top right, to open the color popover. By default you will see the Color Disc.

The previously selected color will be displayed on the left split of the preview to compare with the new color. You can return to the previous color by tapping in this area.

Once you're happy with the color, tap off the panel to close it or see page 151 to learn how to save your color as a favorite.

Understanding the Procreate Color Wheel

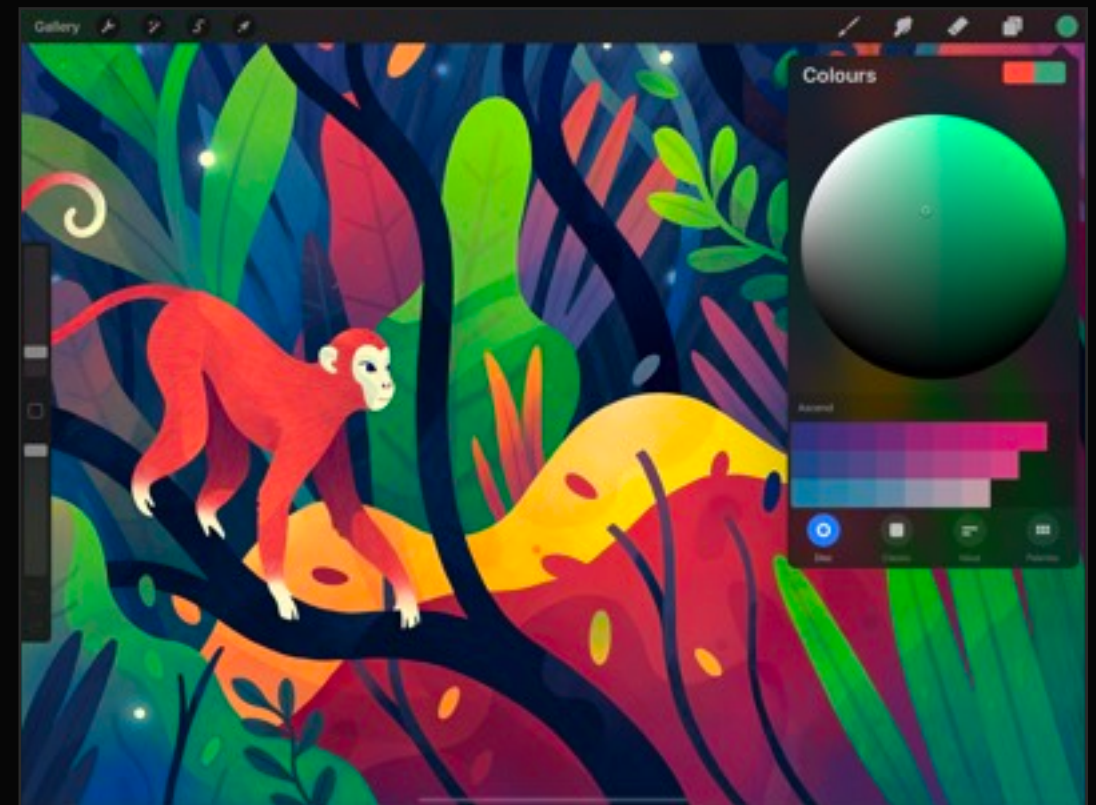


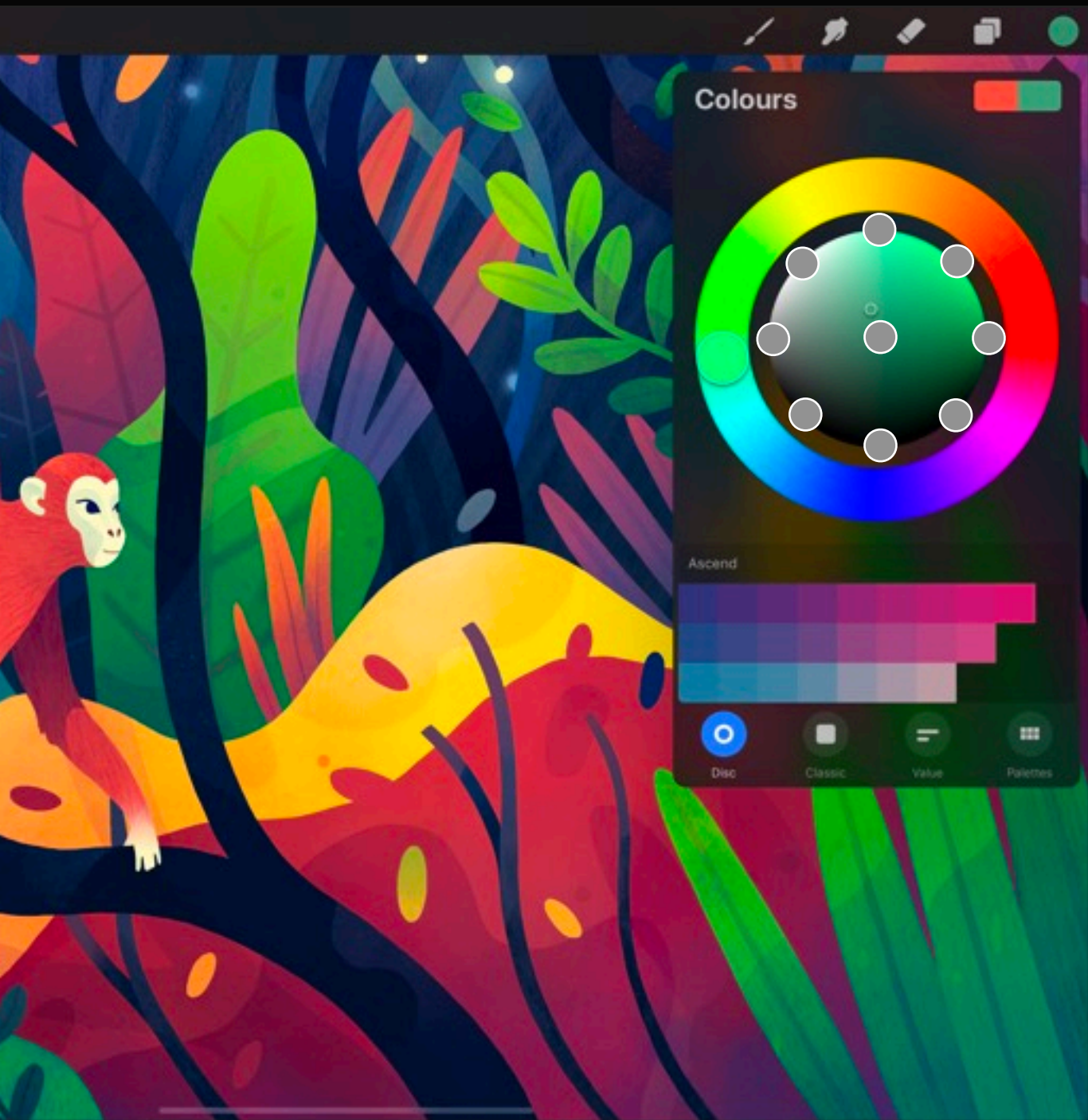
Even more control

When you've found the perfect hue, use the zoomable saturation disc to get even more colors to choose from.

Zoomable saturation disc

Pinch the saturation disc to expand it out to full size. Once expanded, the saturation disc will work just the same as the smaller size, but you'll have much more control over fine adjustments. Procreate will remember if you prefer to work in this mode which can be great for complex shading using similar values.





Speed up the process

Getting pure values is even easier with saturation disc snapping.

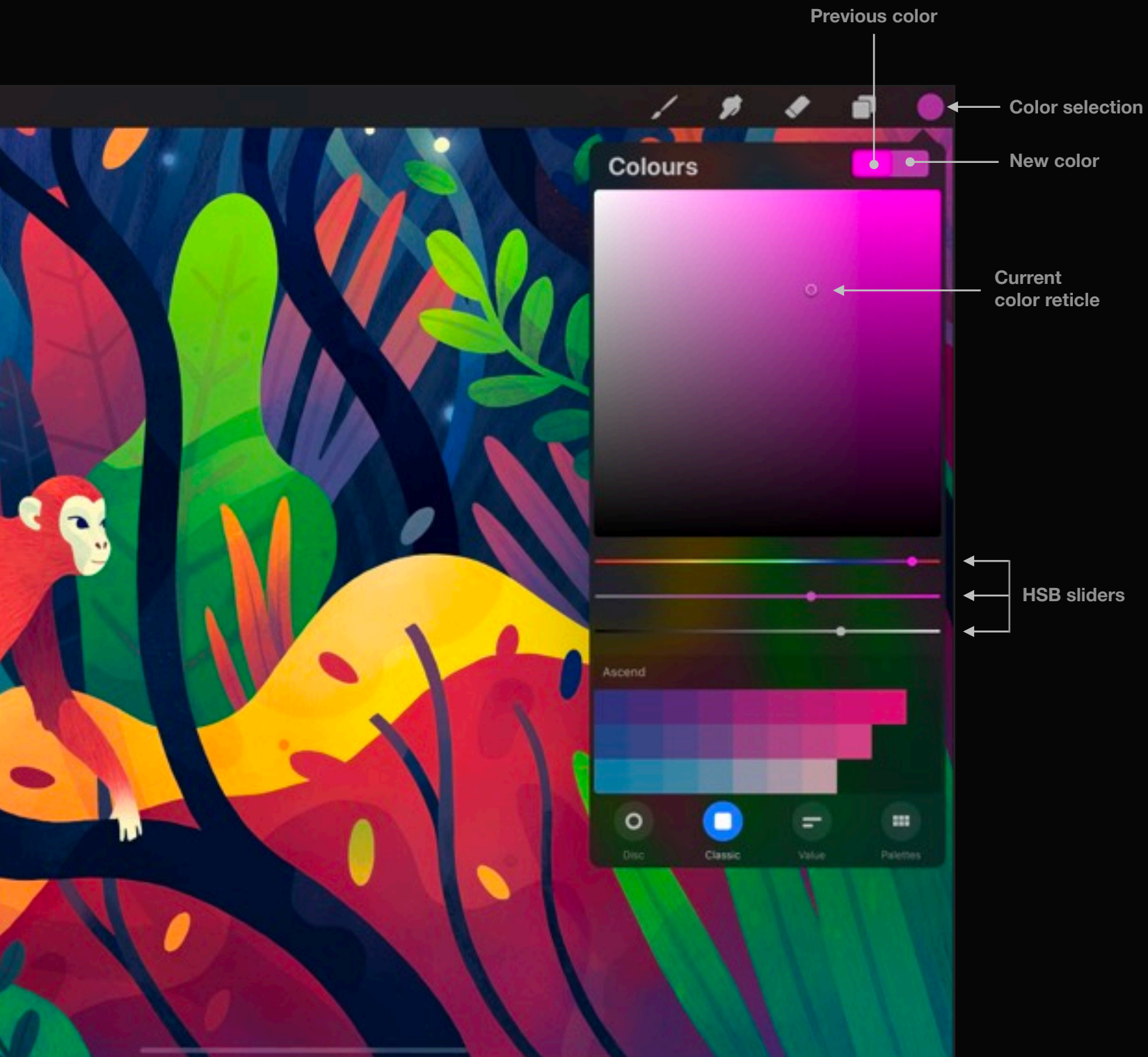
Snapping on the saturation disc

Double tap on various points around the saturation disc to snap to ideal color variations for the hue you're on.

Section 3

Classic Color Picker

Procreate's Classic Color Picker provides another way to select the perfect color.



Classic Color Picker

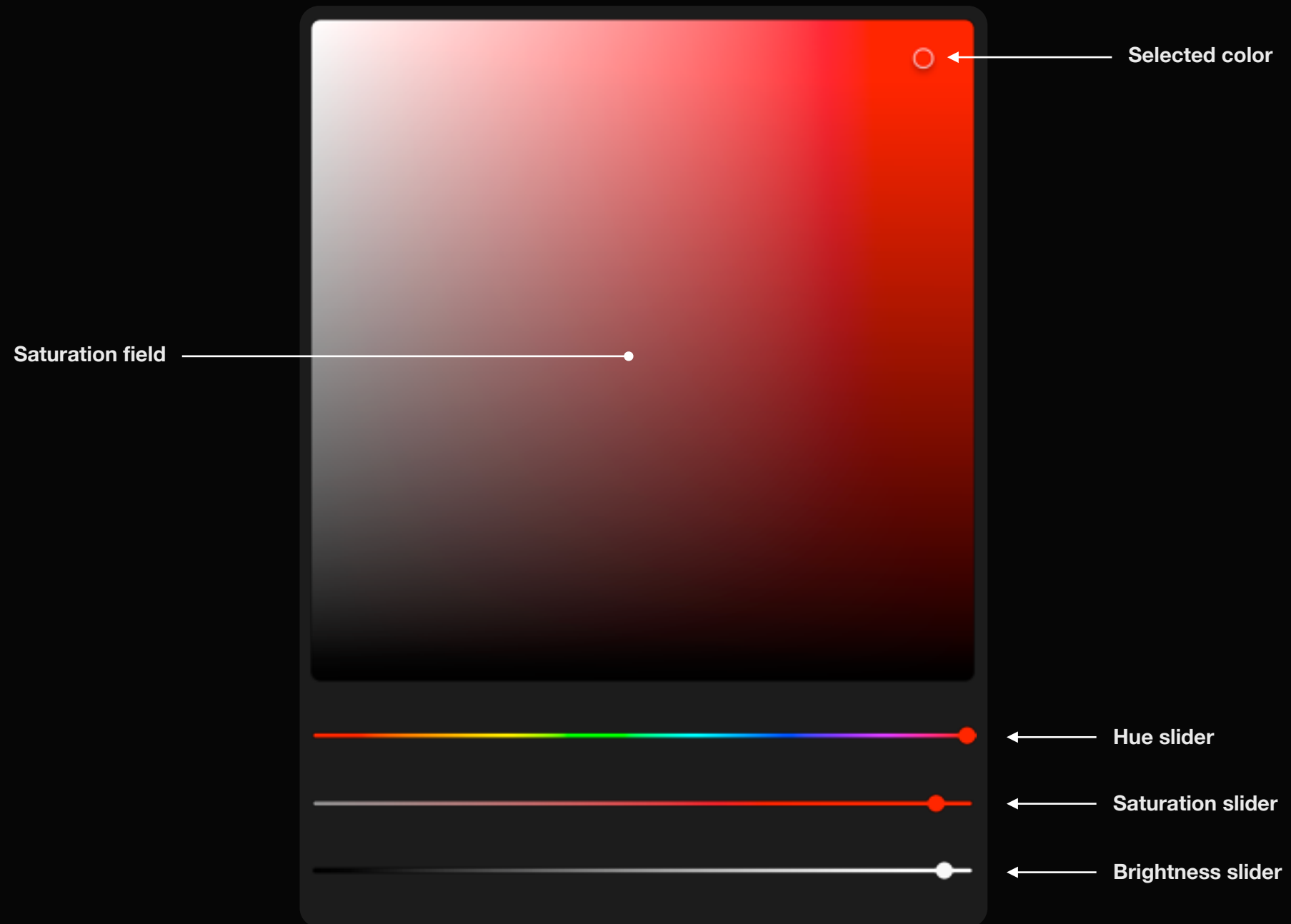
Procreate also comes with a classic color picker that'll be familiar to veterans of digital art.

Tap the Classic tab in the color popover to access the Classic Color Picker, and choose your color using the HSB sliders. You can also adjust your brightness and saturation by dragging the reticle.

The previously selected color will be displayed on the left split of the preview to compare with the new color.

Once you're happy with the color, tap off the panel to close it or see page 151 to learn how to save your color as a favorite.

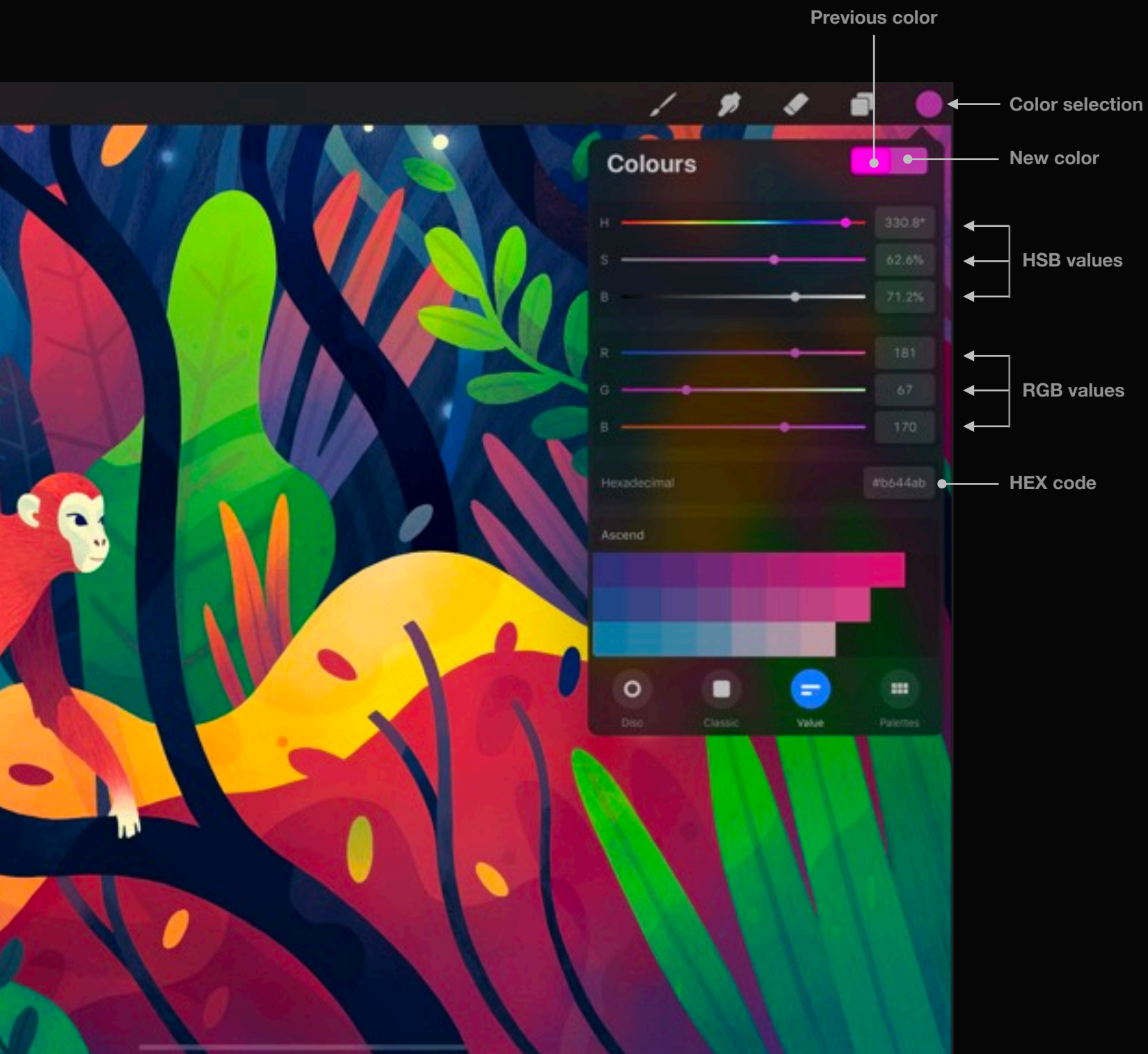
Understanding the Classic Color Picker



Section 4

Color values

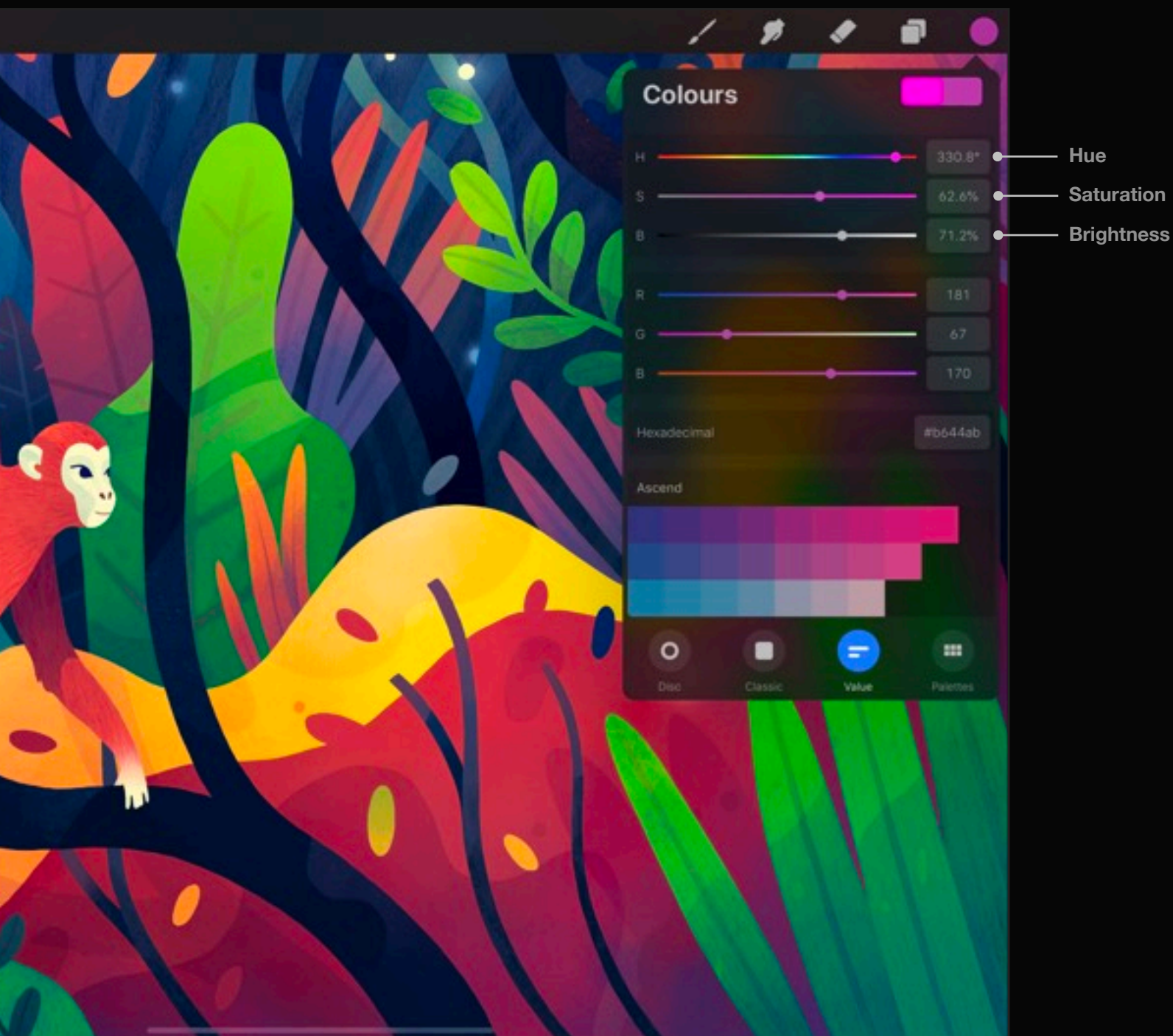
Use the Value tab to replicate exact colors precisely with HSB, RGB, and Hexadecimal input.



Overview

Find the exact color you need with HSB, RGB, and HEX color entry.

Set a specific color using Hexadecimal, RGB, or HSB inputs. All color readouts will update with any change.



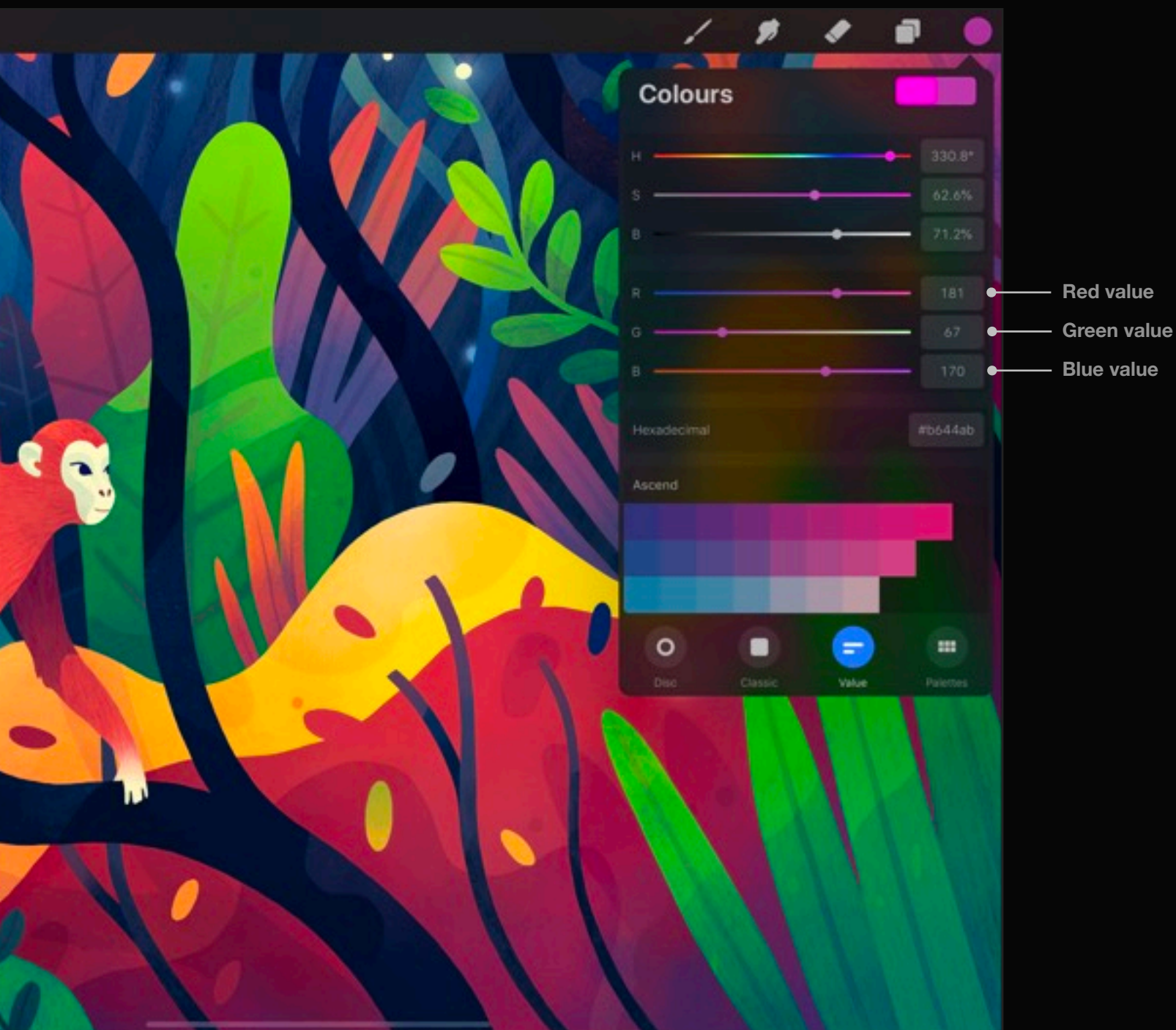
HSB

Enter HSB values to select an exact color.

HSB color selection

Tap the field you want to adjust, and use the keypad to enter a value for Hue, Saturation, or Brightness. The corresponding slider will automatically update, along with the RGB and HEX values, and the color indicator at the top of the popover. Once you're happy with the color, tap off the panel to close it.

See page 151 to learn how to save your color as a favorite.



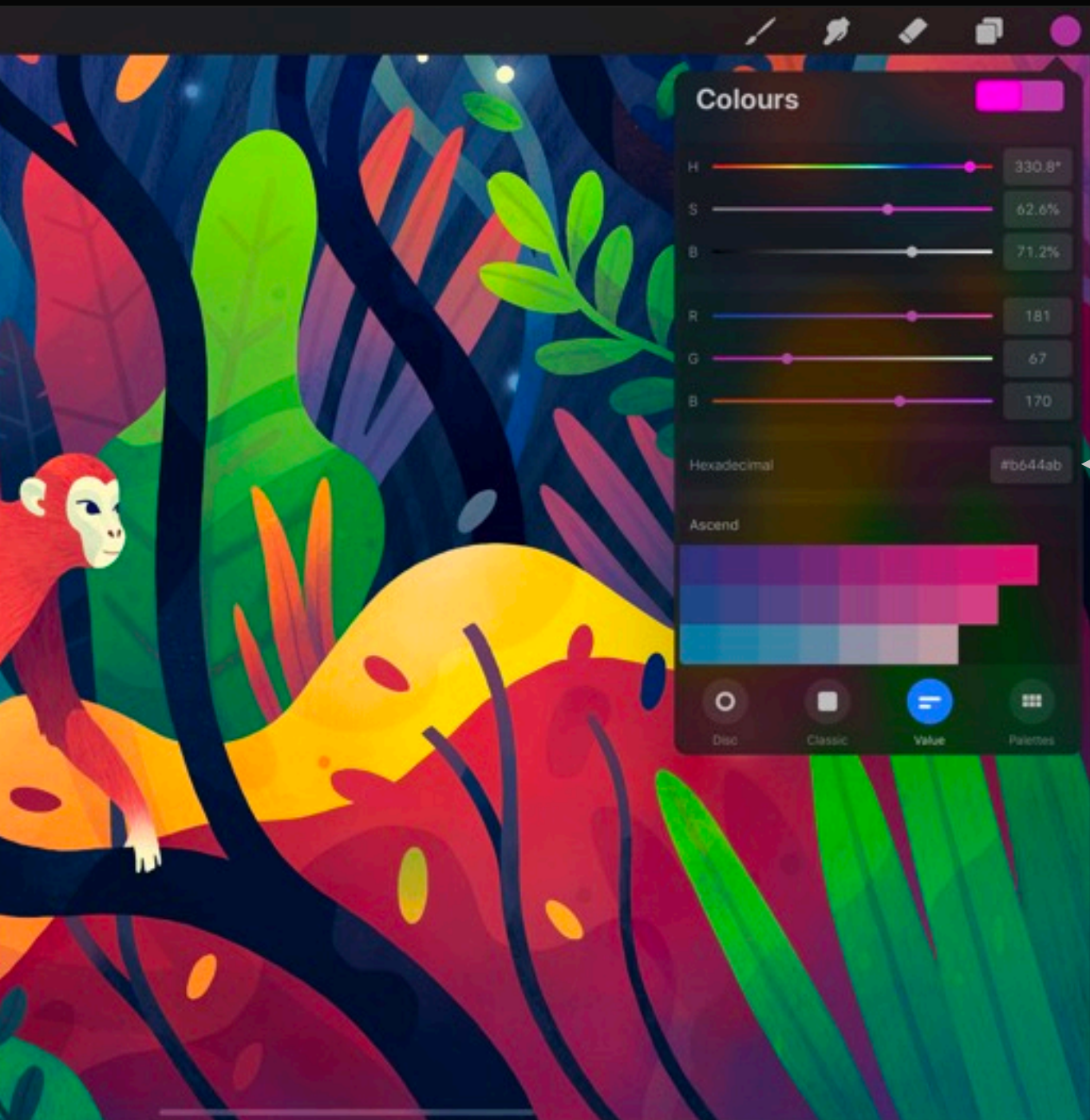
RGB

Enter RGB values to select an exact color.

RGB color selection

Tap the field you want to adjust, and use the keypad to enter a value for Red, Green, or Blue. The corresponding slider will automatically update, along with the HSB and HEX values, and the color indicator at the top of the popover. Once you're happy with the color, tap off the panel to close it.

See page 151 to learn how to save your color as a favorite.



Tap to edit
HEX code

HEX

Enter a HEX value to select an exact color.

HEX color selection

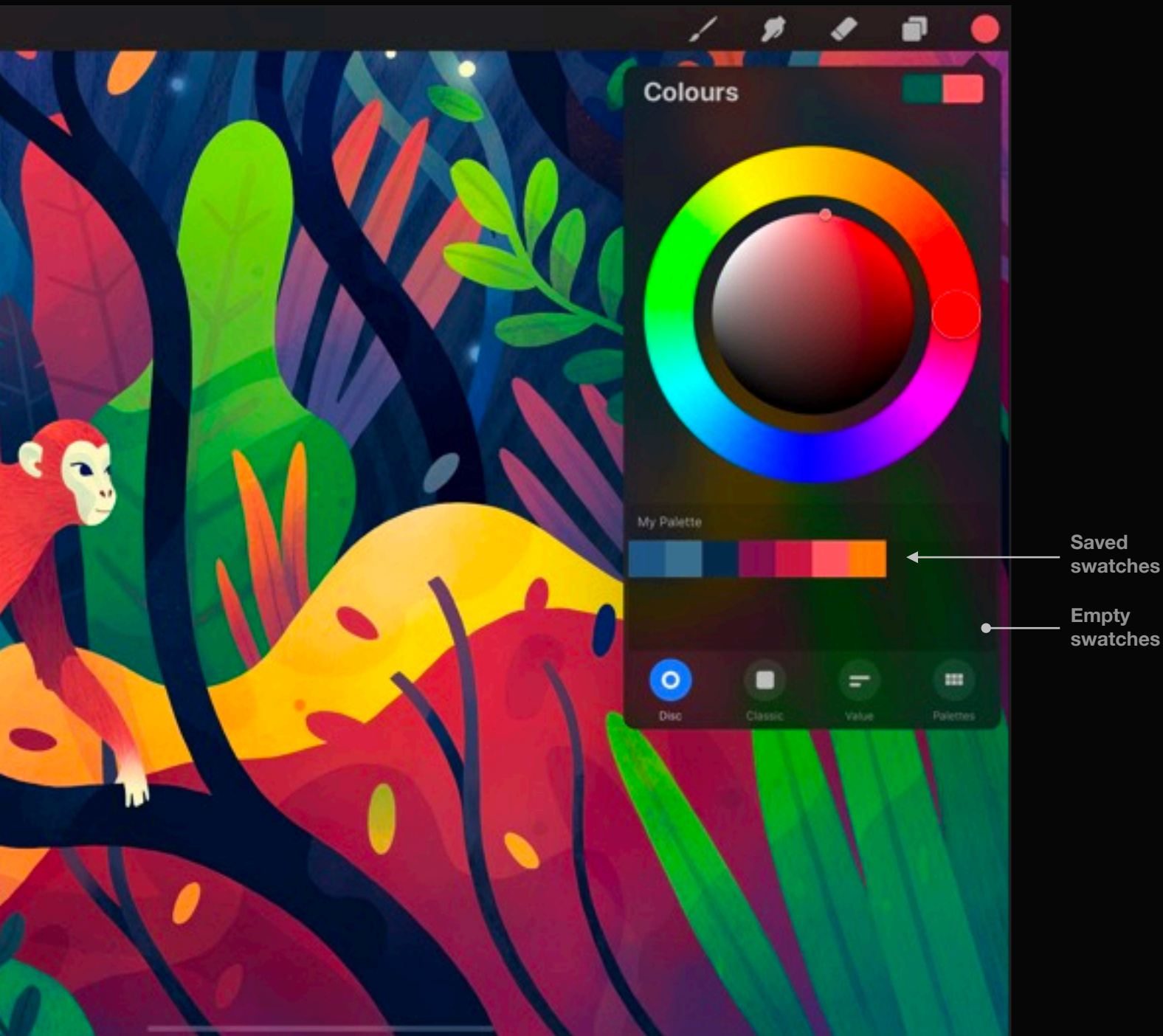
Tap the HEX field, and use the keypad to enter a hexadecimal value. The RGB and HEX values will automatically update to match, along with the color indicator at the top of the popover. Once you're happy with the color, tap off the panel to close it.

See page 151 to learn how to save your color as a favorite.

Section 5

Saving colors

Finding the perfect color can be a difficult task. Swatches make things easier by allowing you to save an exact color to a Swatch Palette for later use.



Saving a color

When it's important to keep a particular color, save it as a swatch for quick access later.

Save a color

Below the color picker you'll notice a grid. This is a swatch palette. To save the currently selected color, tap an empty swatch in the swatch palette.

Selecting a saved color

Tapping a saved swatch will load that color, ready for use.



Reordering a swatch

To create an idea of how colors might work together, you may prefer to change the order of how the swatches sit within the palette.

Move your swatch

Tap and hold a saved swatch to pick it up, and drop it in the new location.



Removing unwanted swatches

When you're done with a particular swatch, remove it from your palette.

Delete your swatch

Tap and hold on the unwanted swatch then release to be greeted with the pop up menu to Delete or Set a swatch.

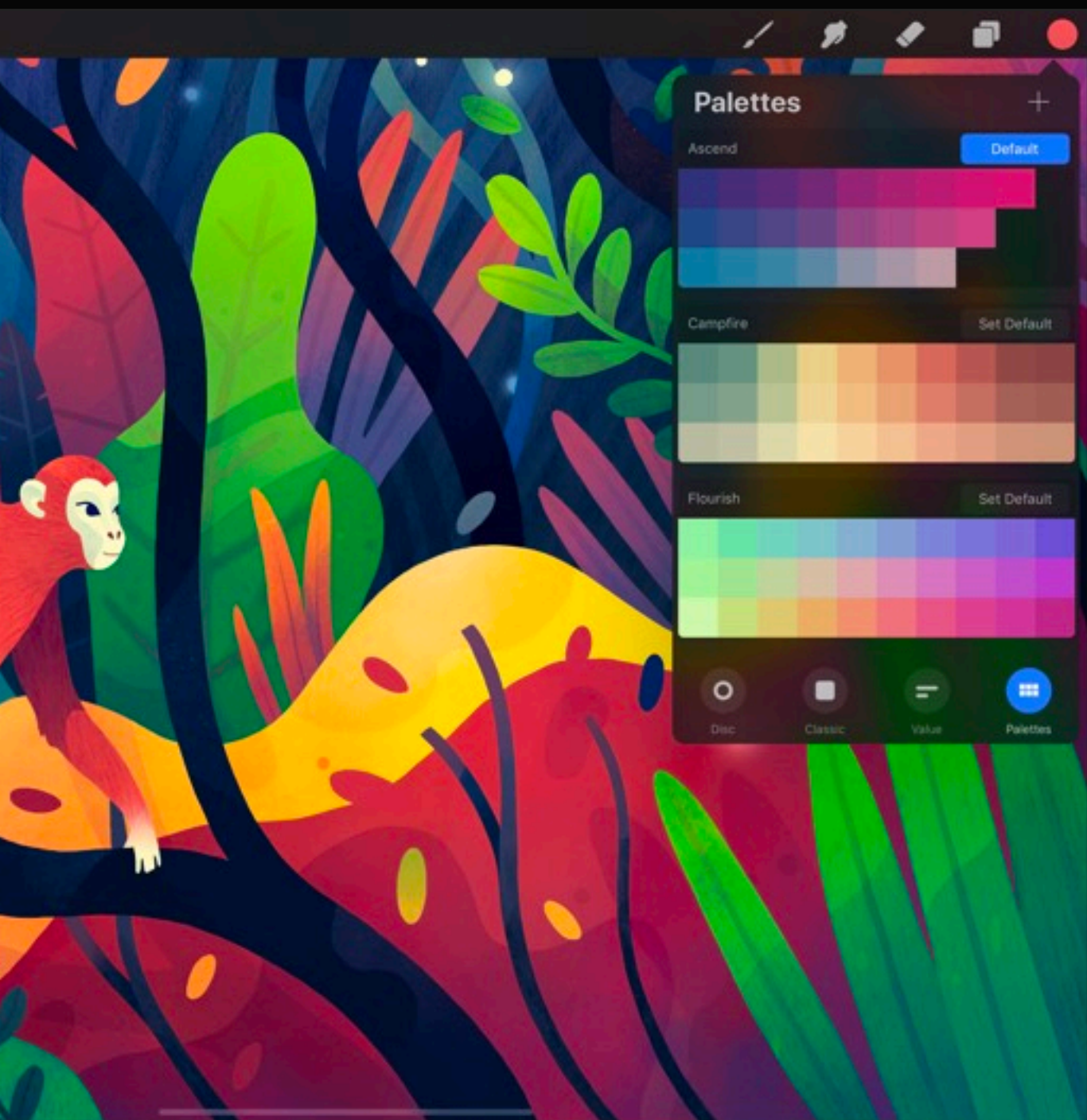
Set a color

Once you've invoked the menu, tap the Set button to replace that swatch with the currently selected color.

Section 6

Procreate Palette Library

Procreate's Palette Library allows you to save multiple color schemes for quick, app-wide access in every artwork.



Overview

Procreate's Palette Library allows you to save multiple color schemes for quick, app-wide access in every artwork.

The Palette Library is where you select your current palette, rename or rearrange palettes, or import palettes from other Procreate users.



Choosing a default palette

Swap palettes in and out as you need.

Loading the palette

Tap the Set Default button at the top of the swatch palette (where the title sits) to select that palette. The button will highlight blue to indicate that the palette is now selected.

To exit the Palette Library, tap any of the other three tabs at the bottom of the popover. You'll notice that your selected palette now appears at the bottom of each tab.

Pro tip:

You can directly select a swatch in this view without selecting the whole palette by tapping on it. This can be very handy to work between several palettes without constantly having to switch them out.



Organizing swatch palettes

As your collection of swatch palettes grows, keep them organized in a few easy steps.

Renaming your swatch palettes

Tap the title of a selected palette to invoke the keyboard and rename it.

Arranging your palettes

Tap and hold a palette to pull it out of the stack, then Drag and Drop it to the desired location.



Sharing your palettes

Procreate allows artists to share and import their favorite swatches.

Share a swatch palette

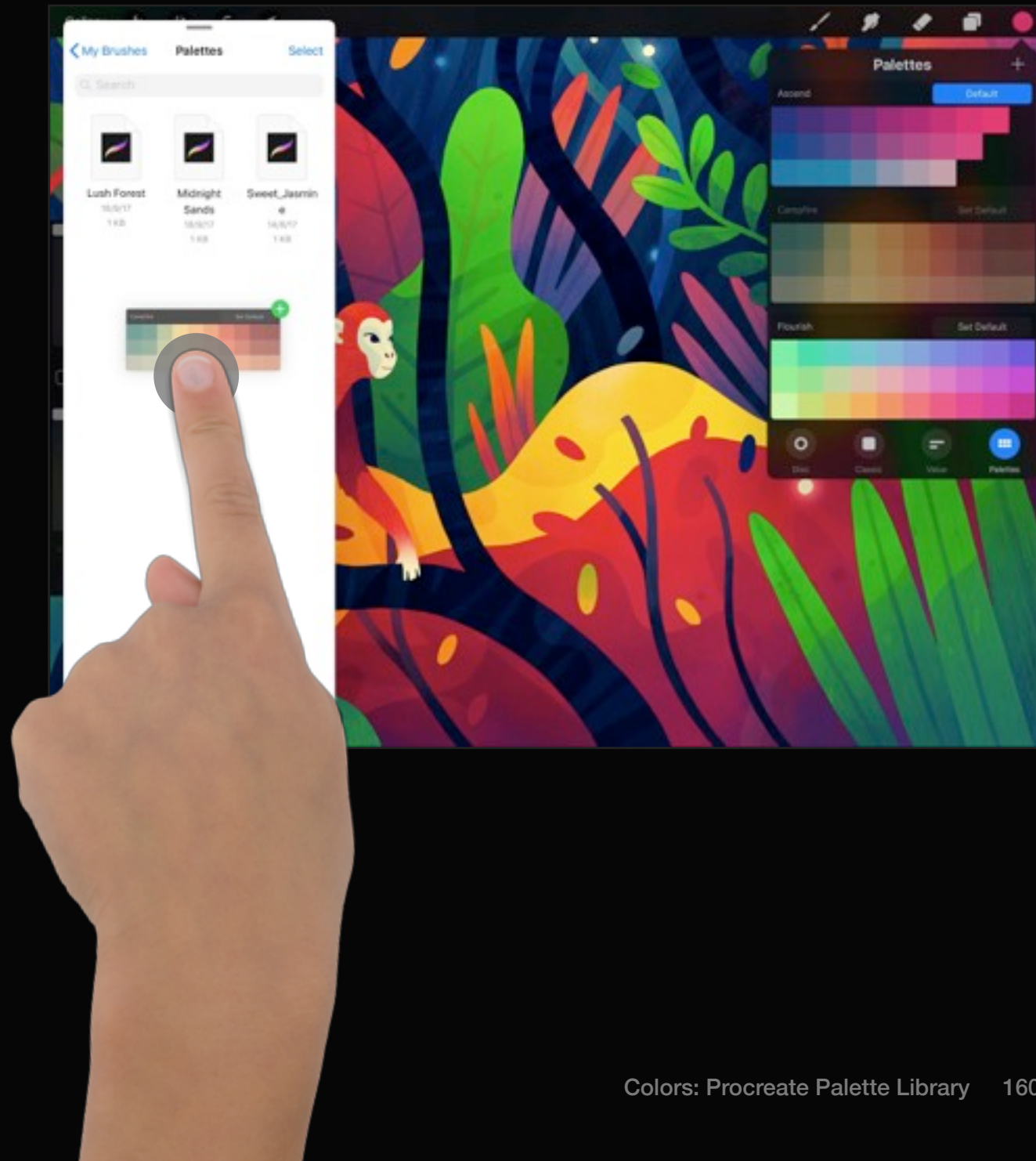
Swipe from right to left over the palette you want to share. This will expose the Share option.

From here you can share to iTunes, Mail, or any connected cloud service. Your swatch palette will take the title of the palette and add a .swatches file extension.

Drag and Drop to share

Instantly export your palettes anywhere you like.

Pick up a swatch palette and drag it to any compatible location to export it as a .swatches file. Pick up one palette then tap others to add them to the stack and export them all at once.

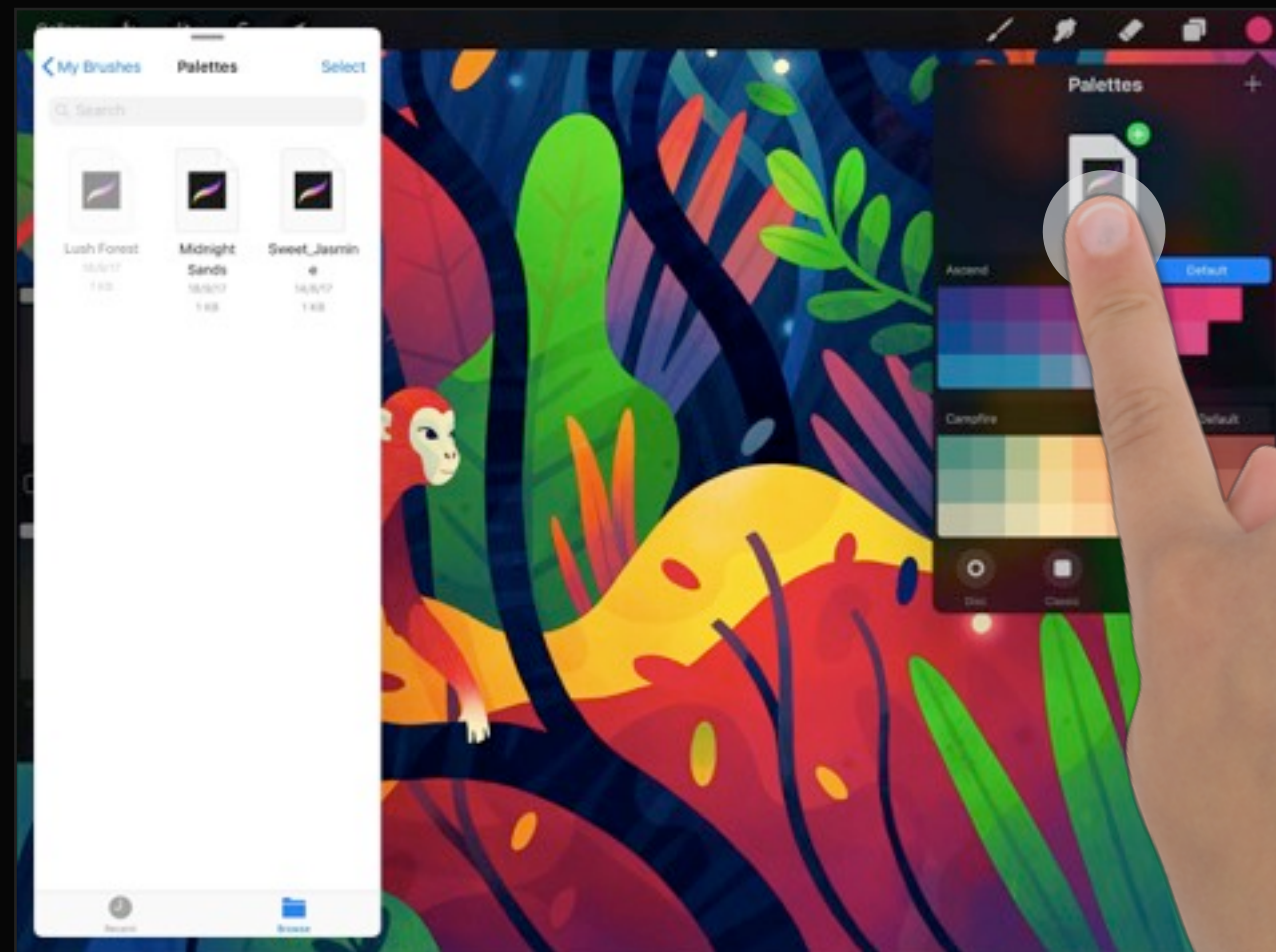


Using other artists' palettes

Import swatch palettes from other artists to expand your library of color schemes.

Import a swatch palette

Simply Drag and Drop a .swatches file from any compatible location into the Palette Library to import it. Once you've picked up one file, you can tap others to add them to the stack and import them all at once.





Removing unused palettes

When you no longer need or use a color scheme, delete a whole palette in one action.

Delete a swatch palette

Swipe from right to left over the palette you want to delete. This will expose the Delete option.

Tap Delete and then confirm that you still want to delete the palette. Be careful, because once you delete a swatch palette there is no way of getting it back.

Section 7

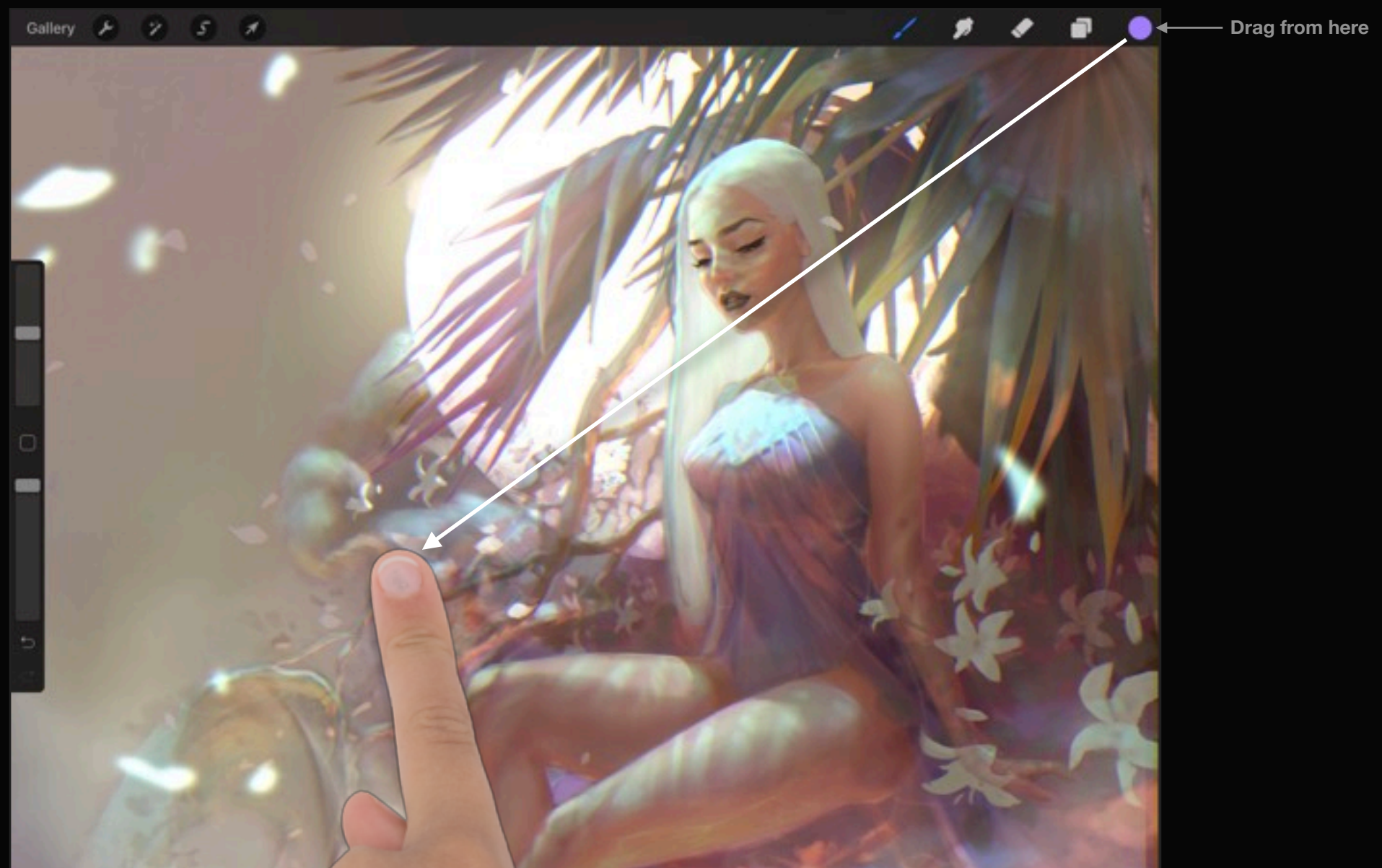
Fill with color

ColorDrop is Procreate's answer to the well-known paint bucket. It's been fine-tuned to give amazing fills when you need to block out color quickly. Read on to see how to fill your shapes, adjust the threshold, and keep your ink and color separate.

ColorDrop

A great timesaver for artists who work with large blocks of flat color. ColorDrop lets you quickly fill in shapes and build your artwork.

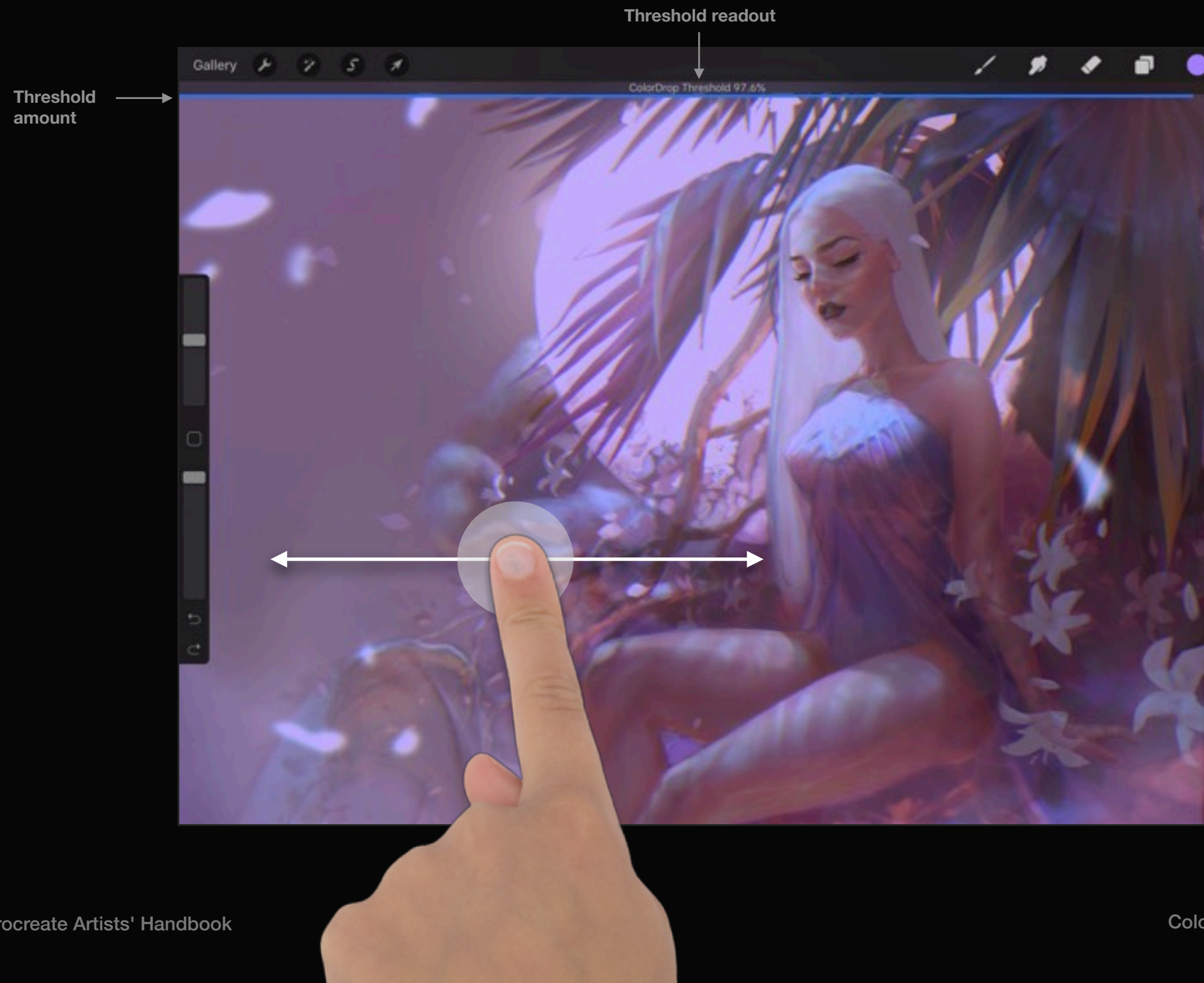
Drag the Color button out onto the canvas and let go. You'll see the color drop onto the canvas and fill out until it finds a boundary.

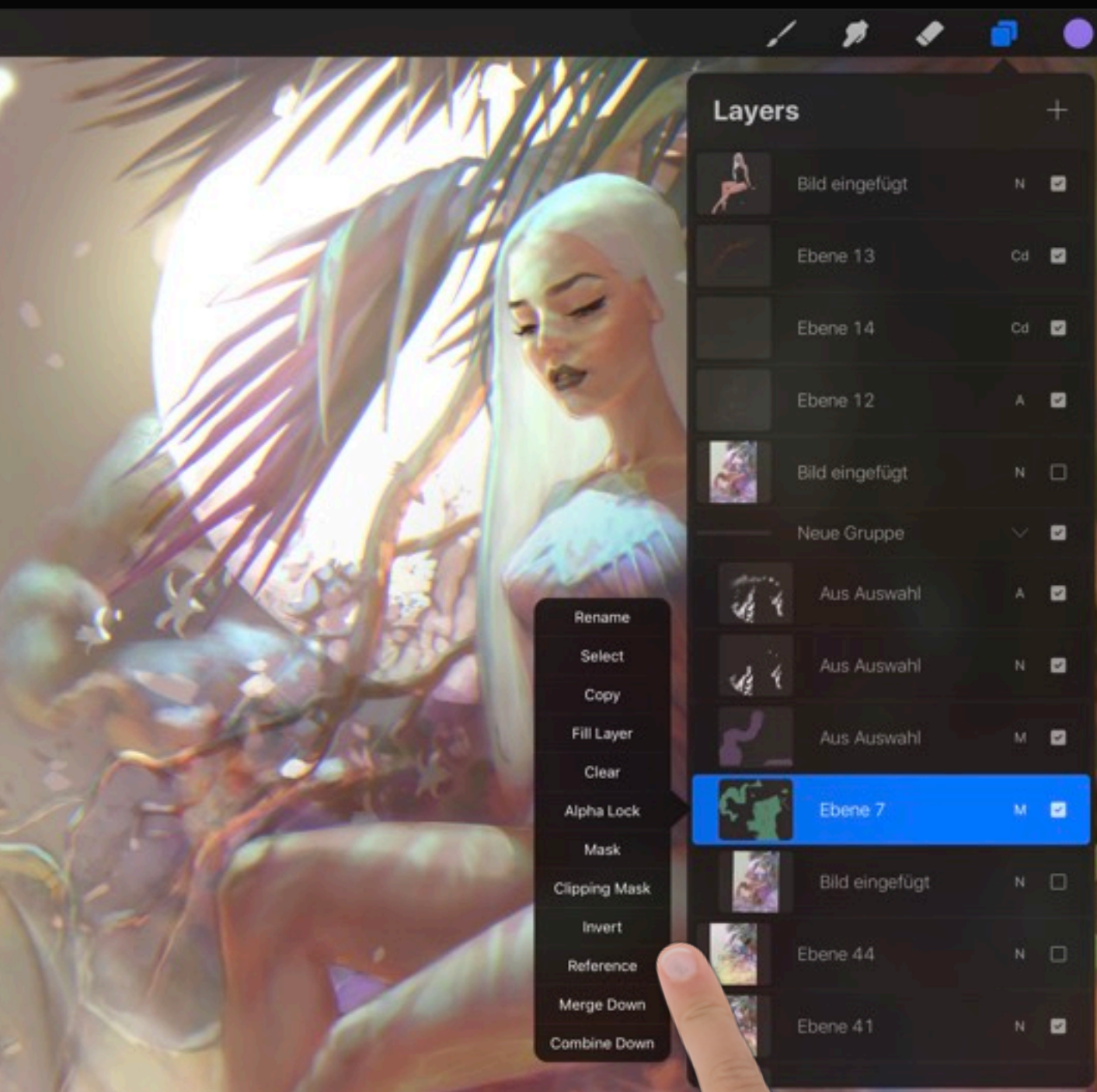


ColorDrop Threshold

Tweak the way ColorDrop detects edges to get the best results.

ColorDrop and then pause over the desired fill area. The ColorDrop Threshold will activate and, before you lift your finger, you can slide left and right to adjust how aggressively it attacks edges. Lifting your finger will commit the ColorDrop and from then on ColorDrop will remember the Threshold setting until you change it again.





Reference Layer

An advanced feature designed for cartoonists and concept artists that keeps color fills and ink separate.

Reference Layer works exclusively with ColorDrop to reference the active ref layer (indicated by the word 'Reference' on the layer preview) and fill to the normal selected layer.

Tap your Primary layer to open the Layer Options menu, then tap Reference to activate it as the Reference Layer. Select another layer, and ColorDrop can fill into the selected layer, based on the Reference.

Use the same method to turn the Reference Layer off.

See page 185 for more info on the Layer Options menu.

Section 8

Color Profiles

Create documents using sRGB, or P3 Wide Color on compatible devices.

Color Profiles

Choose between standard sRGB or stunning P3 Wide Color.

P3 Wide Color is available in Procreate on all compatible iPad models.



sRGB Color Gamut

This is the standard color space you'd be familiar with from previous versions of Procreate, and the default for most digital illustration.



P3 Wide Color Gamut

The P3 profile is a wider RGB gamut, allowing you to display brightly saturated greens, yellows, and oranges.

Tap to select canvas color profile

New custom canvas size

Width P3 Wide Color ✓

Height sRGB Standard Color

DPI 300 Color P3 ▾

Panorama

Choosing a color profile

Select a color profile when you create your canvas.

Color profile selection is part of the canvas creation menu. Just tap the field to select sRGB or P3 Wide Color (on compatible devices).

Pro tip:

Procreate fully supports P3 import and export, so compatible file types will retain P3 Wide Color.

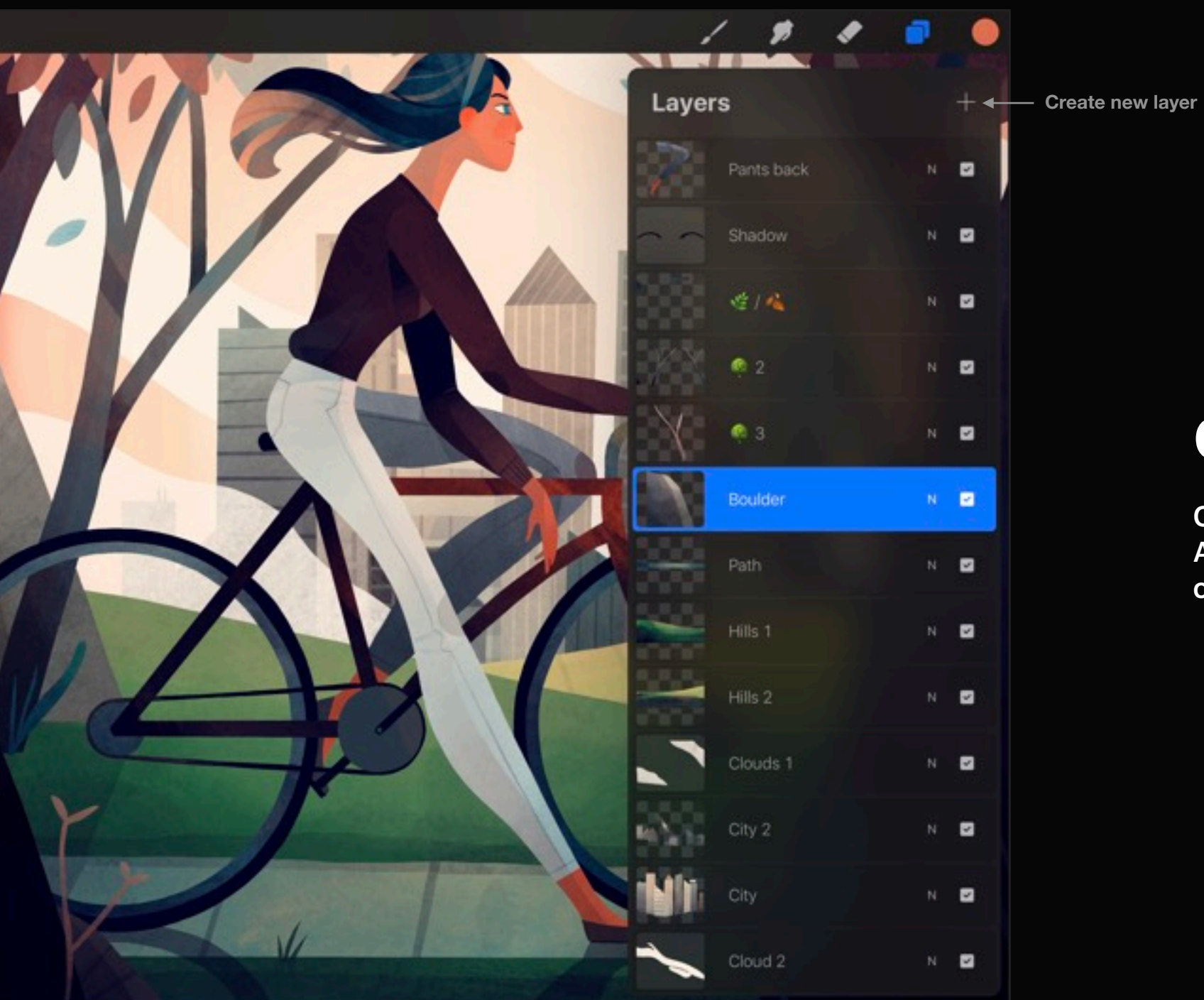


Layers

Section 1

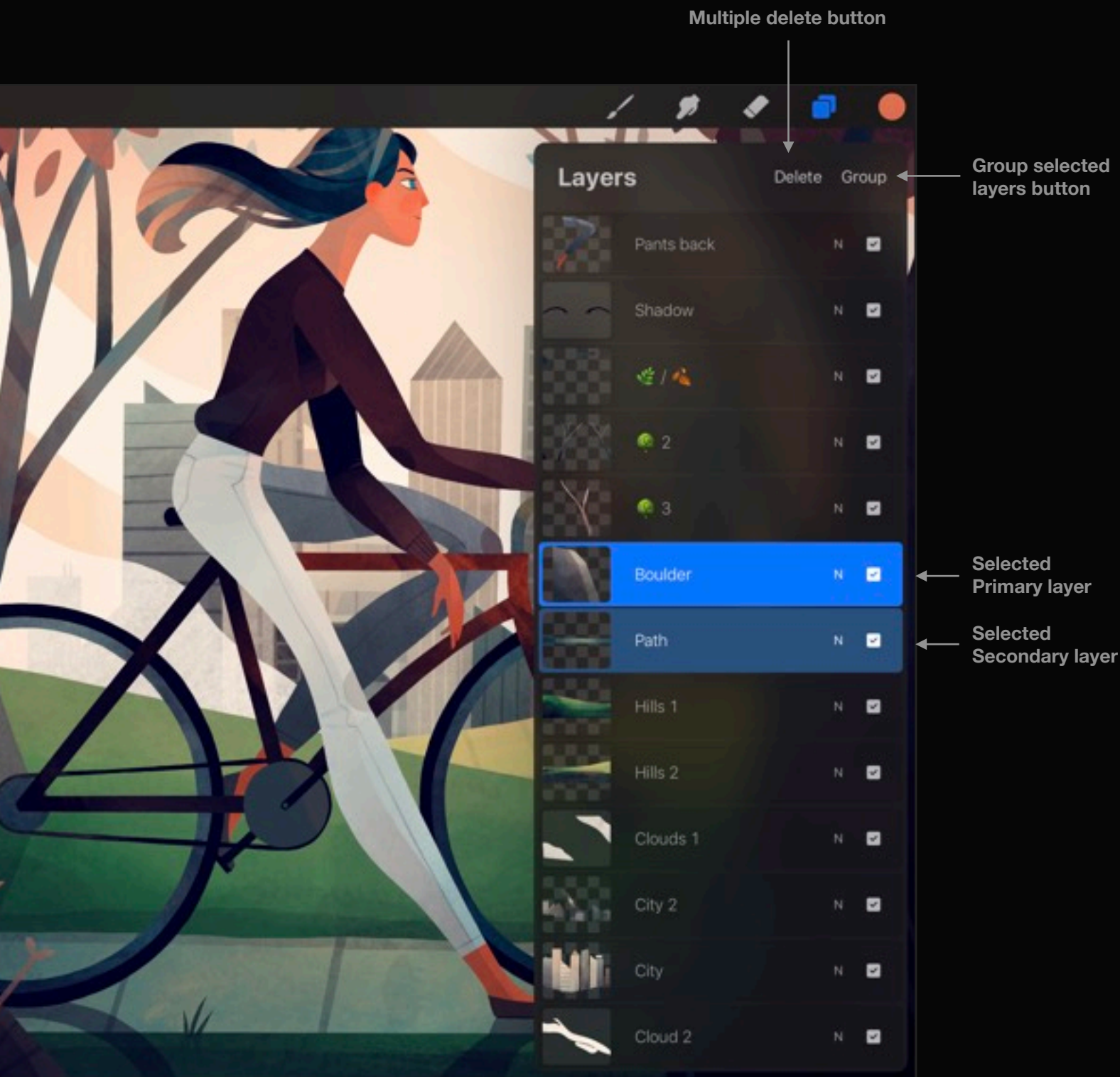
Building up layered artwork

Layers are an extremely versatile benefit unique to digital painting. Tap the second icon from the right in the toolbar to access the Layers menu. This section will cover the basics of working with layers.



Creating a layer

Create new layers with the + icon. A new layer will be inserted above the current layer.

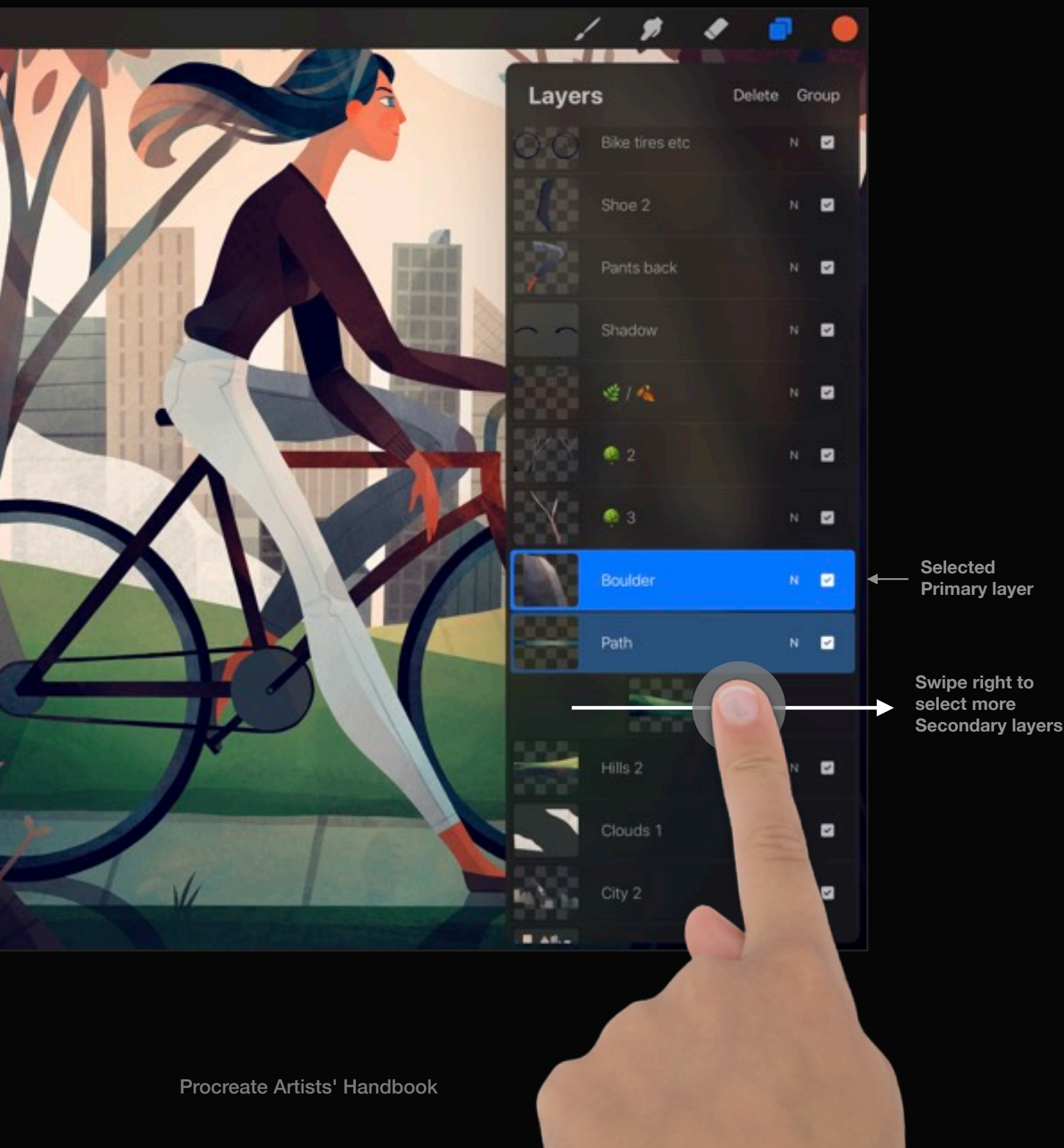


Primary & Secondary Layers

Painting, smudging and erasing will always happen on your Primary layer.

If you have multiple layers selected, any Selection or Transform actions will affect all selected layers. Adjustments and Filters cannot be used with multiple layers selected.

Cut and Copy actions will also only apply to your Primary layer.



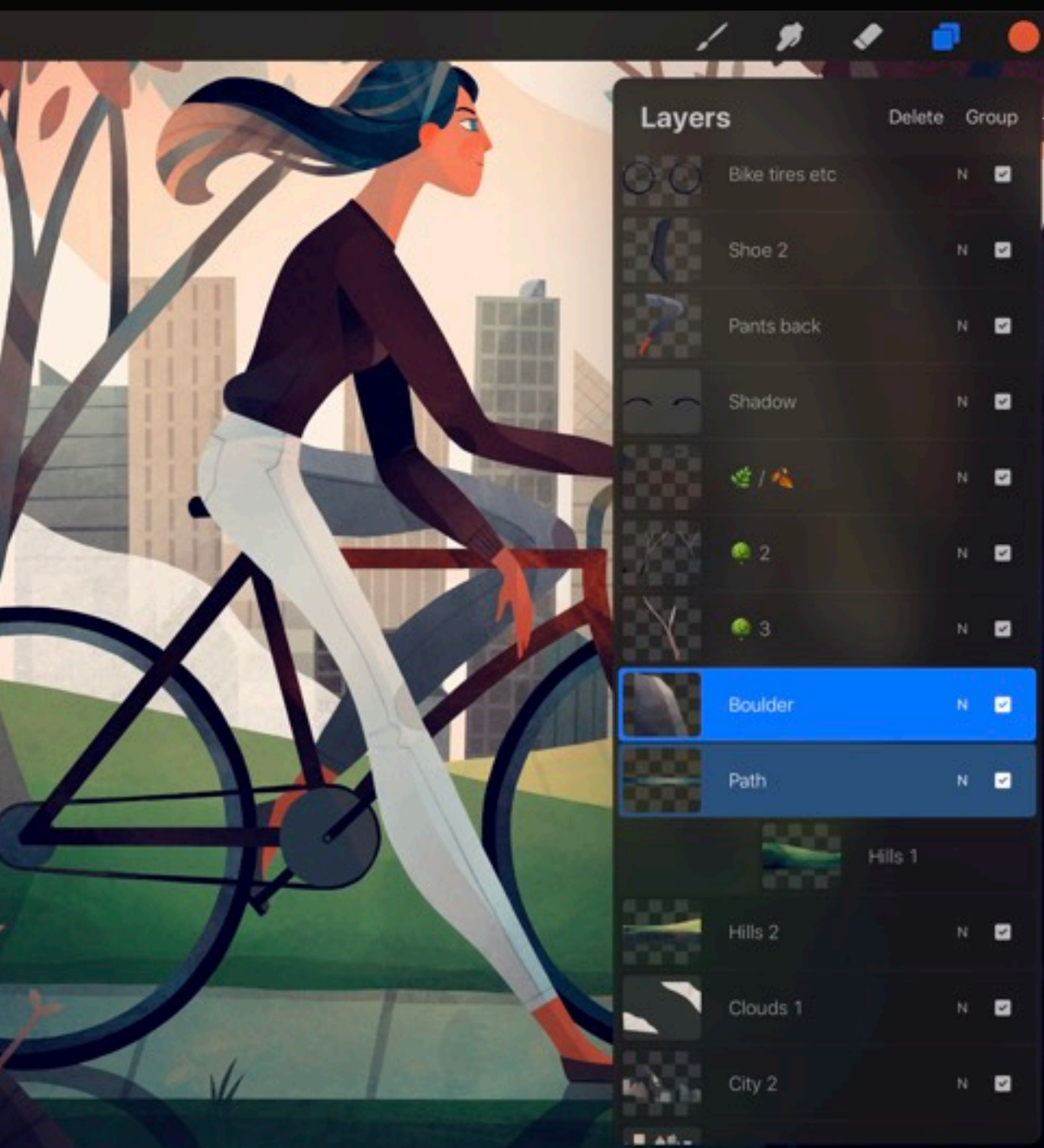
Layer Selection

Procreate has two kinds of layer selection: Primary and Secondary.

Tap any layer to make it your Primary layer. Swipe a layer from left to right with one finger to make it a secondary layer. You can only have one Primary at any time, but you can select as many Secondary layers as you like.

Pro tip:

Tap the Delete button in the top left of the layers popover to delete all your selected layers at once.



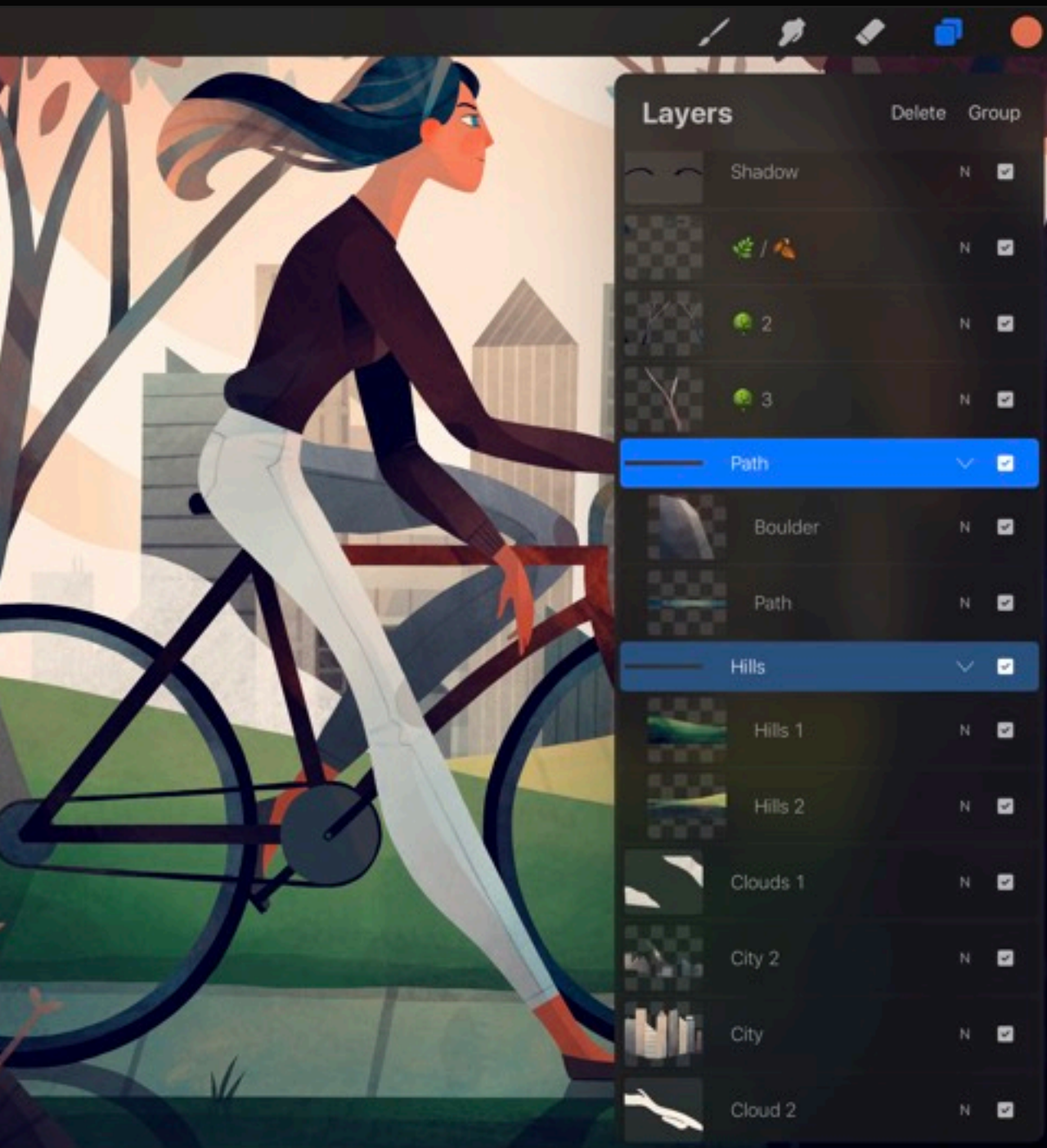
Tap here to create new group from selected layers

Layer Groups

Combine layers into Groups to keep them organized.

Create a Group by selecting multiple layers, and tapping the Group button at the top right of the Layers menu.

Select the layers you want to include



Tap to select a Primary layer group

Swipe right to select a Secondary layer group

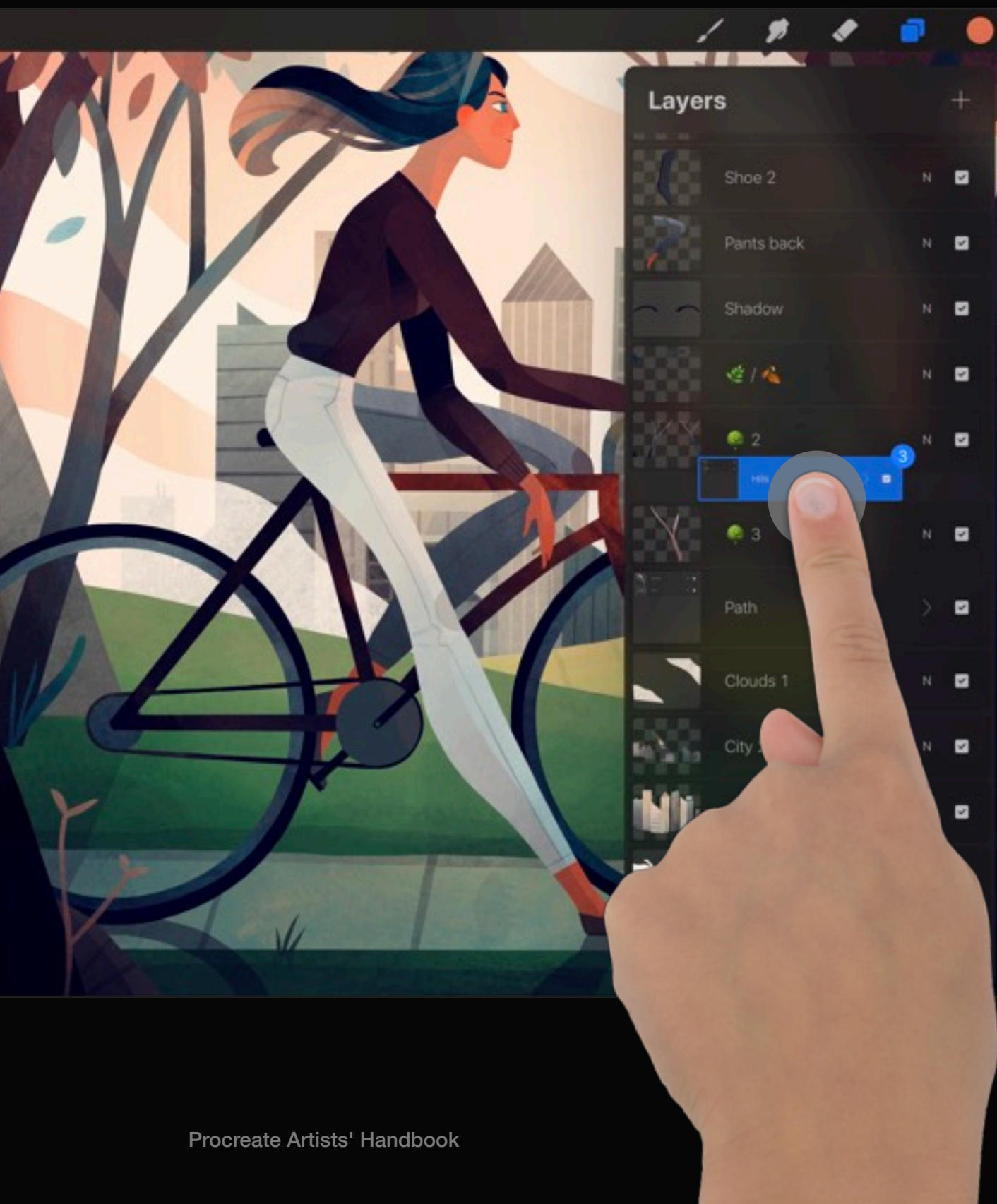
Selecting Groups

You can select a Group as your Primary or Secondary selection.

A Group selected as a Secondary selection will behave the same as if you'd selected every layer in that Group. If you select a Group as your Primary, then all Selection and Transform actions will apply to all the layers in the Group, but you cannot paint, smudge, erase, or use Adjustments and Filters.

Pro tip:

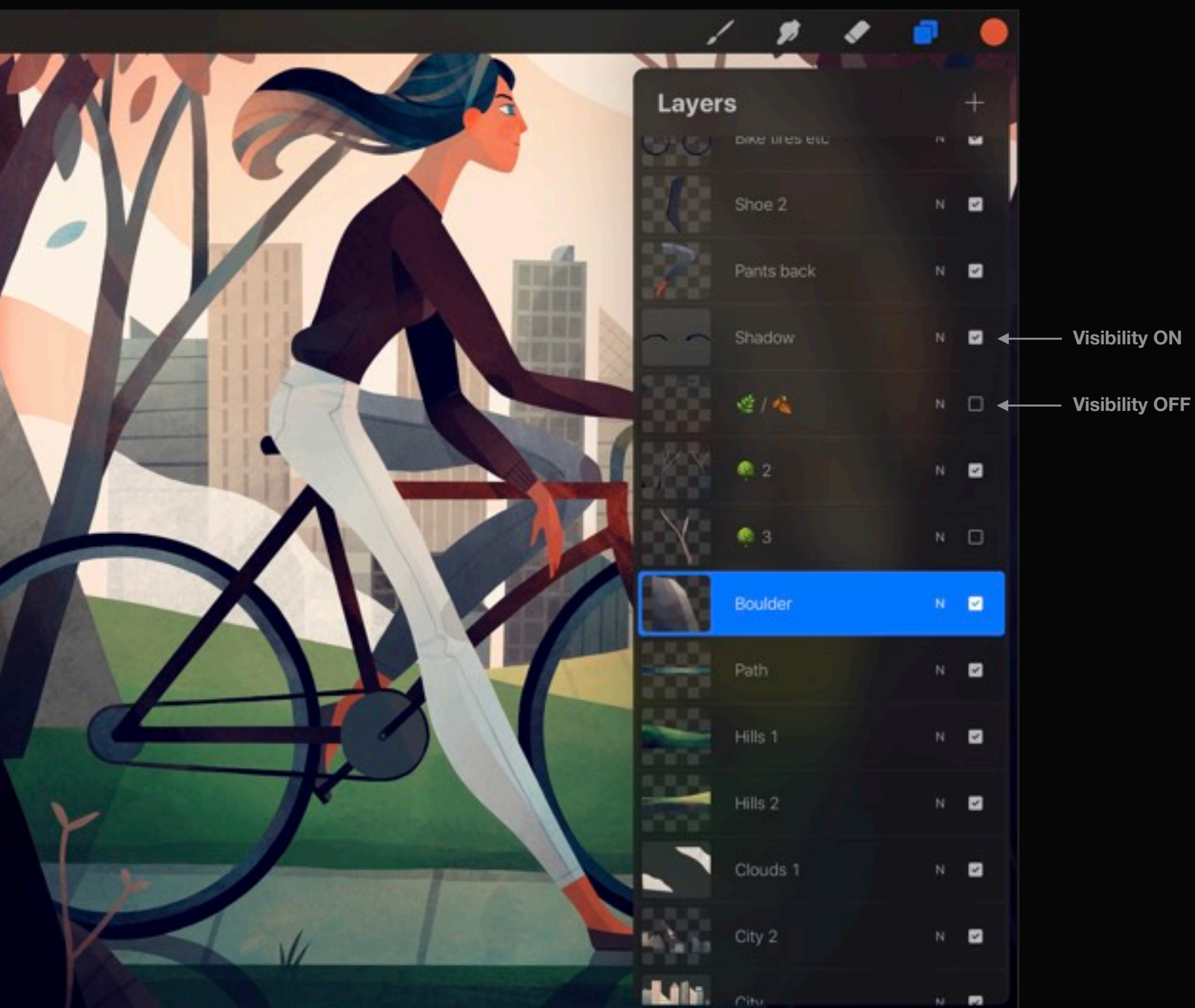
Use the arrow at the right of the Group thumbnail to expand or collapse the Group at any time.



Moving layers

Rearrange layers with a tap and hold. You can also easily move multiple selected layers or Layer Groups at once.

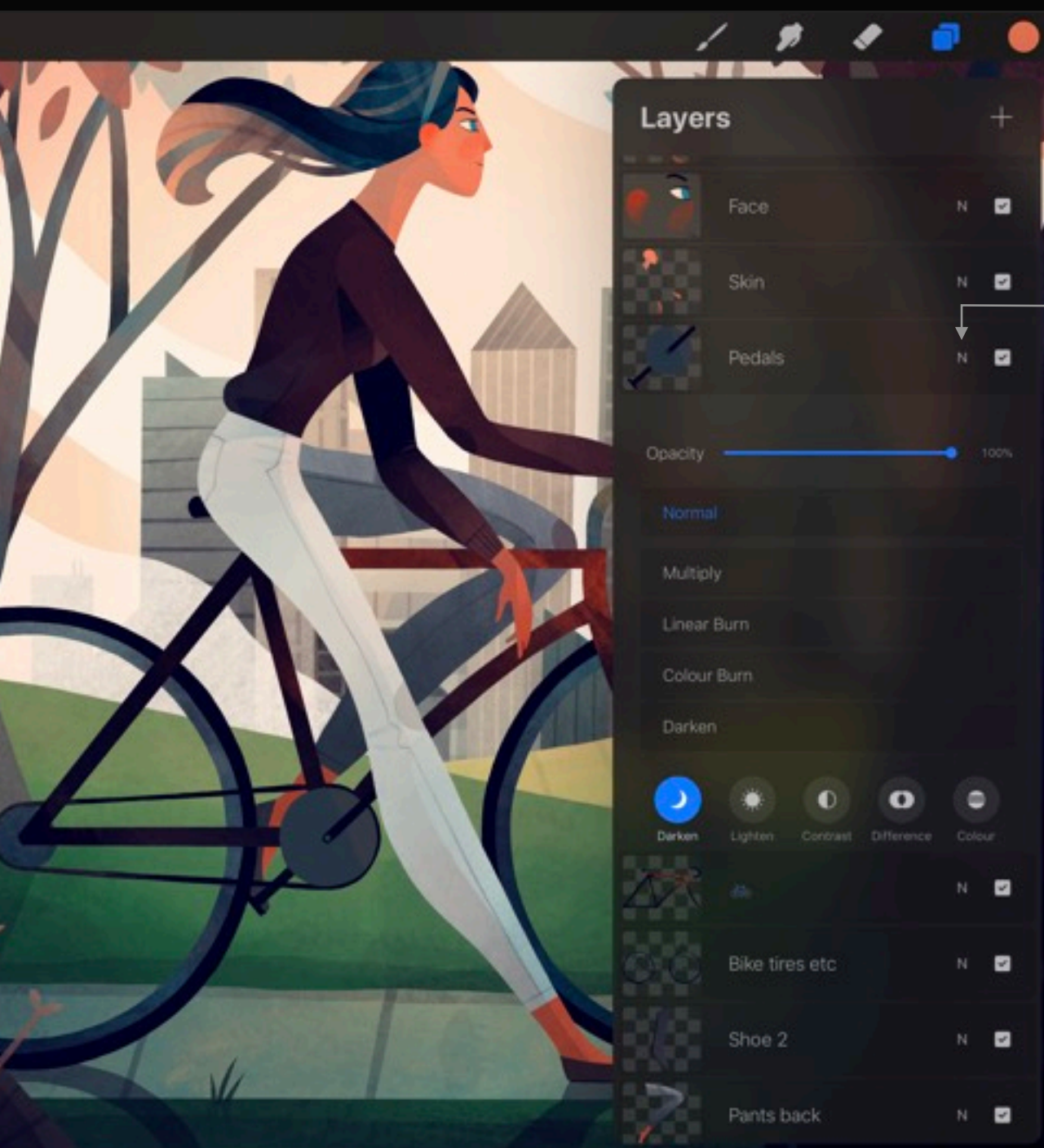
To change the order of the layers, hold the layer or Group and drag up or down. Release to set the new order.



Layer visibility

Toggle the visibility of a layer or Group by tapping the checkbox.

If a layer is hidden it cannot be drawn on. If you try to draw on a layer that is hidden, you'll be notified via a simple dialogue.



Tap this small letter
to open blending and
opacity options

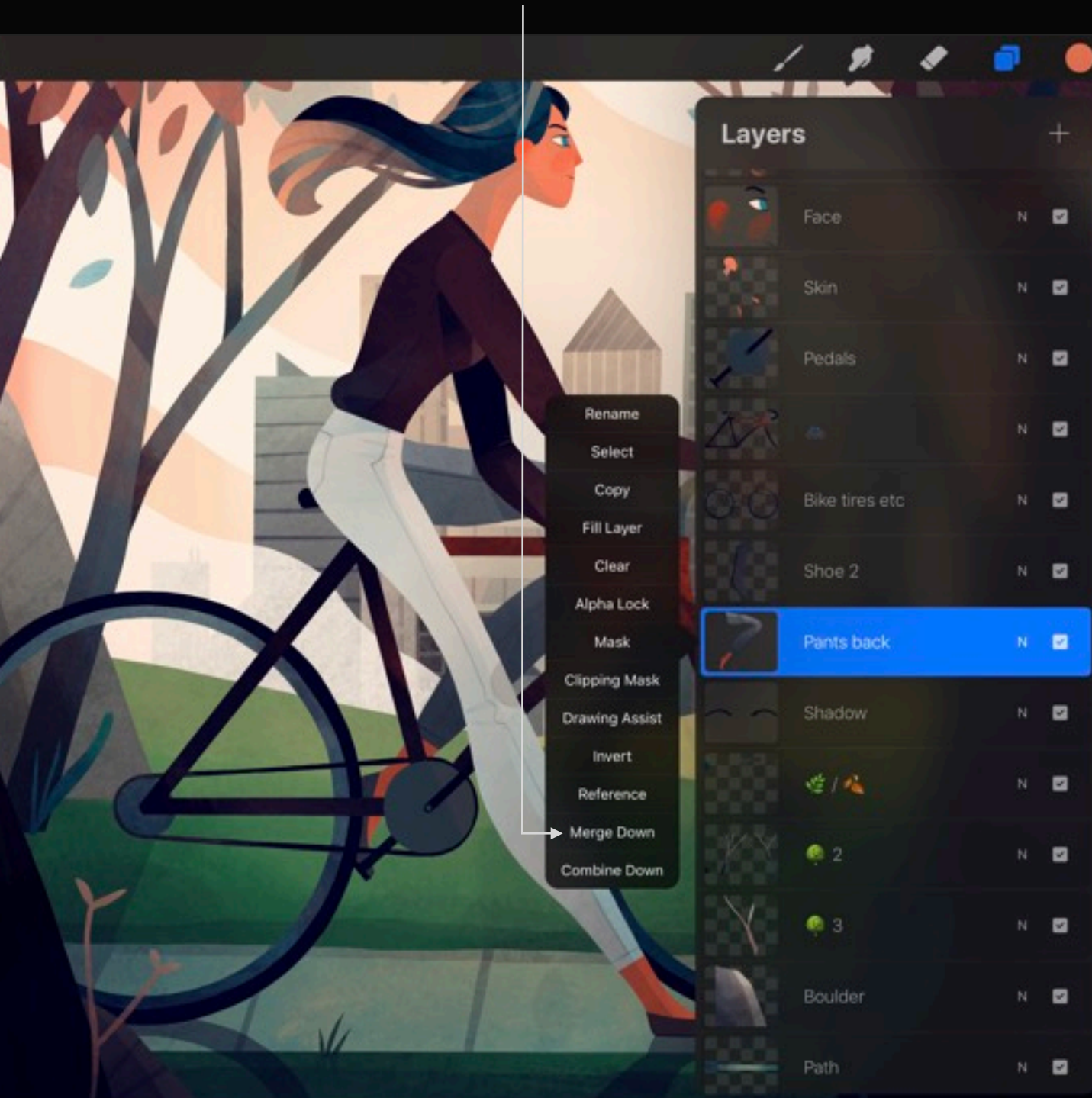
Blending and opacity

Artists familiar with desktop painting will be at home with Procreate's many blend modes, as well the layer opacity slider.

Blend modes are based on old photographic and new digital techniques to add interesting effects to an image.

To change the blend mode, tap the small letter at the right of each layer. See section 3 of this chapter for a more detailed explanation of blend modes.

Merge Down layer

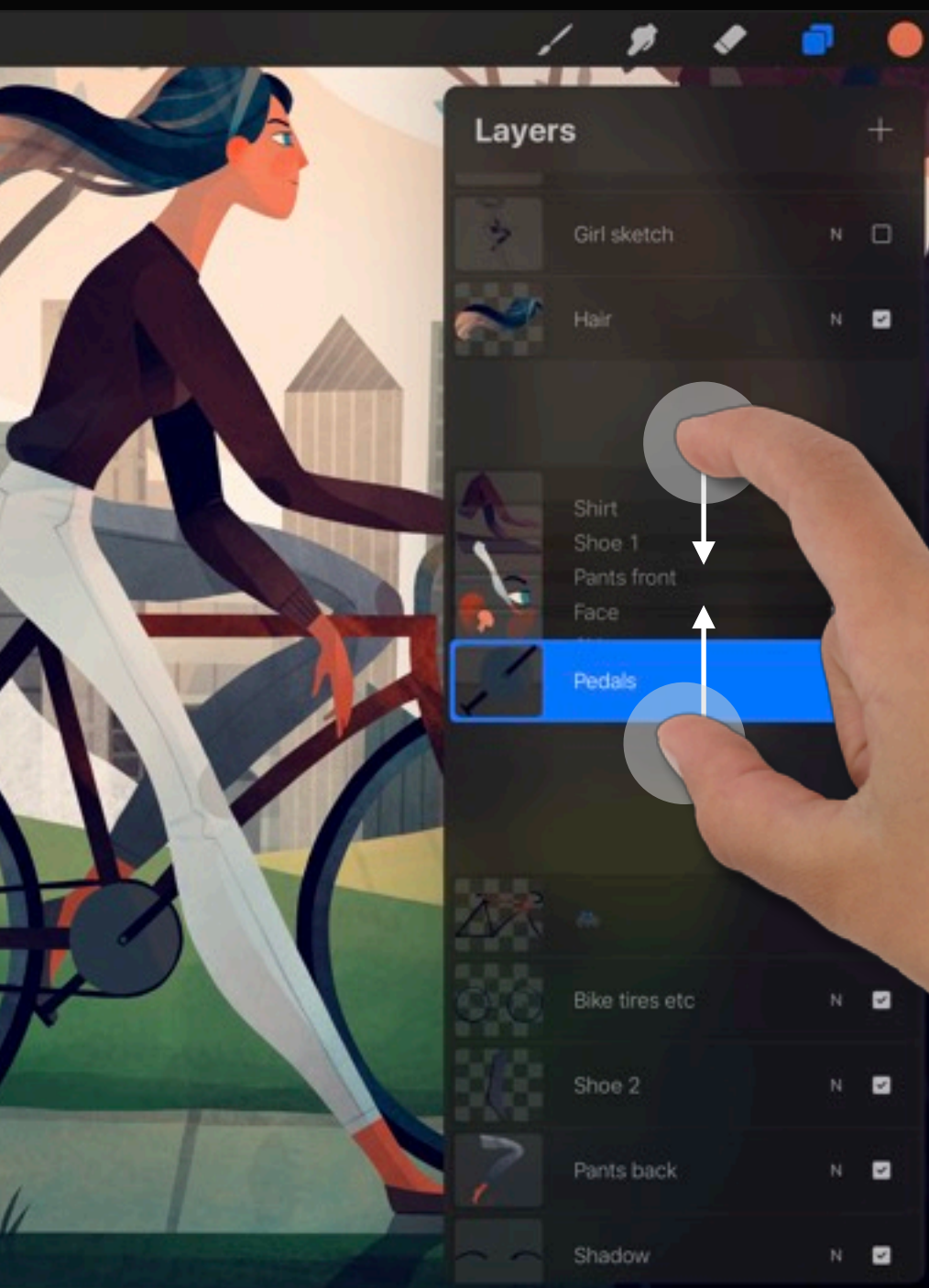


Merge layers

Layers in Procreate allow you to work on one area of an artwork without destroying other areas. Sometimes, however, you may want to combine or merge different layers together.

Merge Down

Tapping this will combine the active layer with the layer directly below. The two layers will become one single layer and they will no longer be editable as separate objects.



Pinch to Merge multiple Layers

Merging is a great way to free up layers in your artwork.

To merge, pinch together the top layer you want to merge and the bottom layer. Every layer in between will be merged into one.

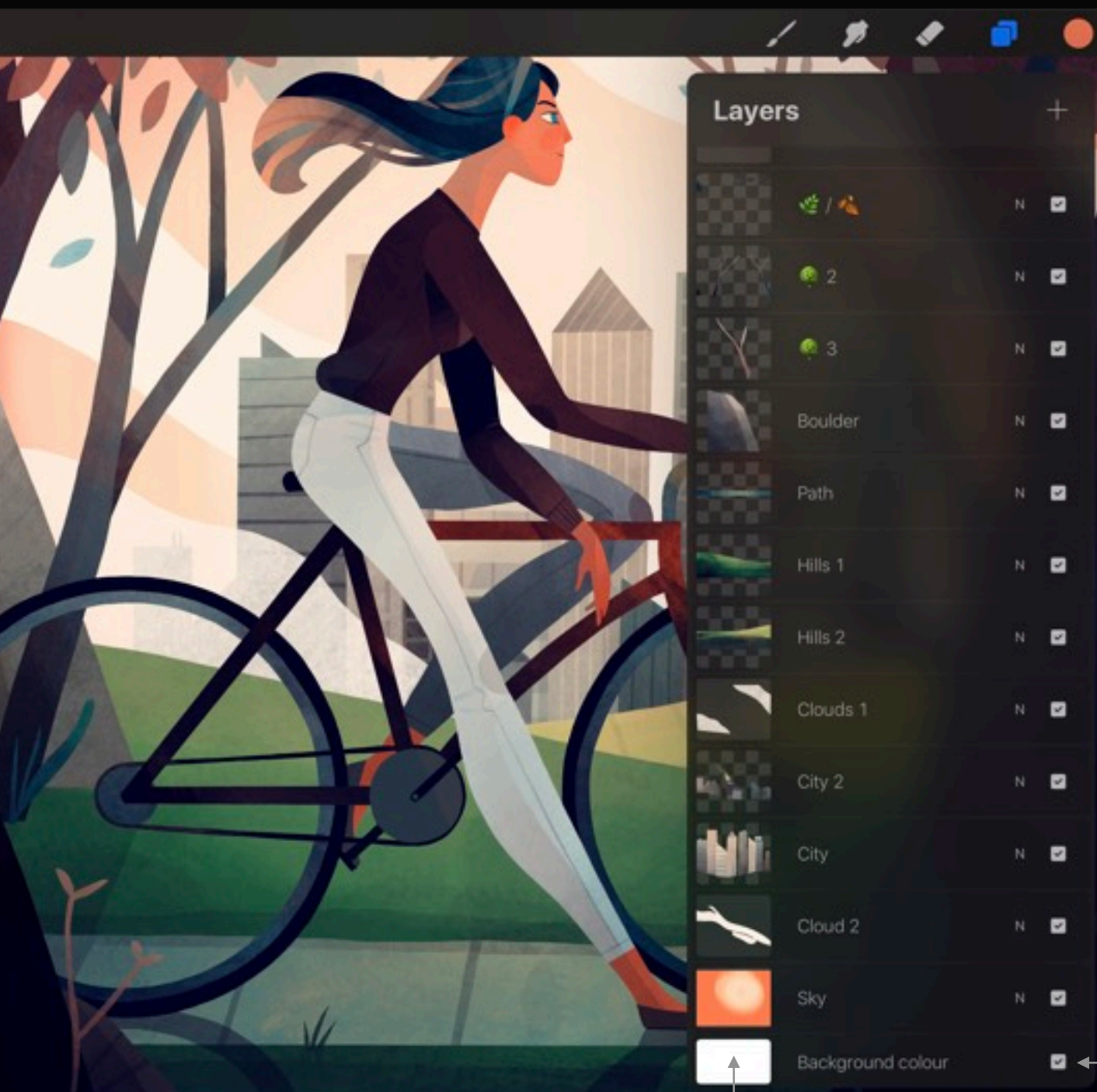
Merging layers will apply any blending mode to the pixels below, and will also disregard any alpha lock.

If you reach your layer limit, look through your layers for any you are happy to merge together. It's best to merge only once you're happy with what you've drawn.

When you merge multiple layers, the name of the lowest layer merged will be the name of the new merged layer.

Pro tip:

You can also merge a layer from the Layer Options menu. See page 196 for more details.



Background color

Procreate gives you a free layer to place a solid color of your choosing underneath your canvas.

To change the color, tap on the Background layer at the bottom of the layers panel. You can choose any color you like and access any favorites you have saved along the way.

In some cases, you may want to turn the layer off to export a PNG with transparency. To do this, tap the checkbox to the right of the Background color preview. You will then see the grid background, which indicates transparency.

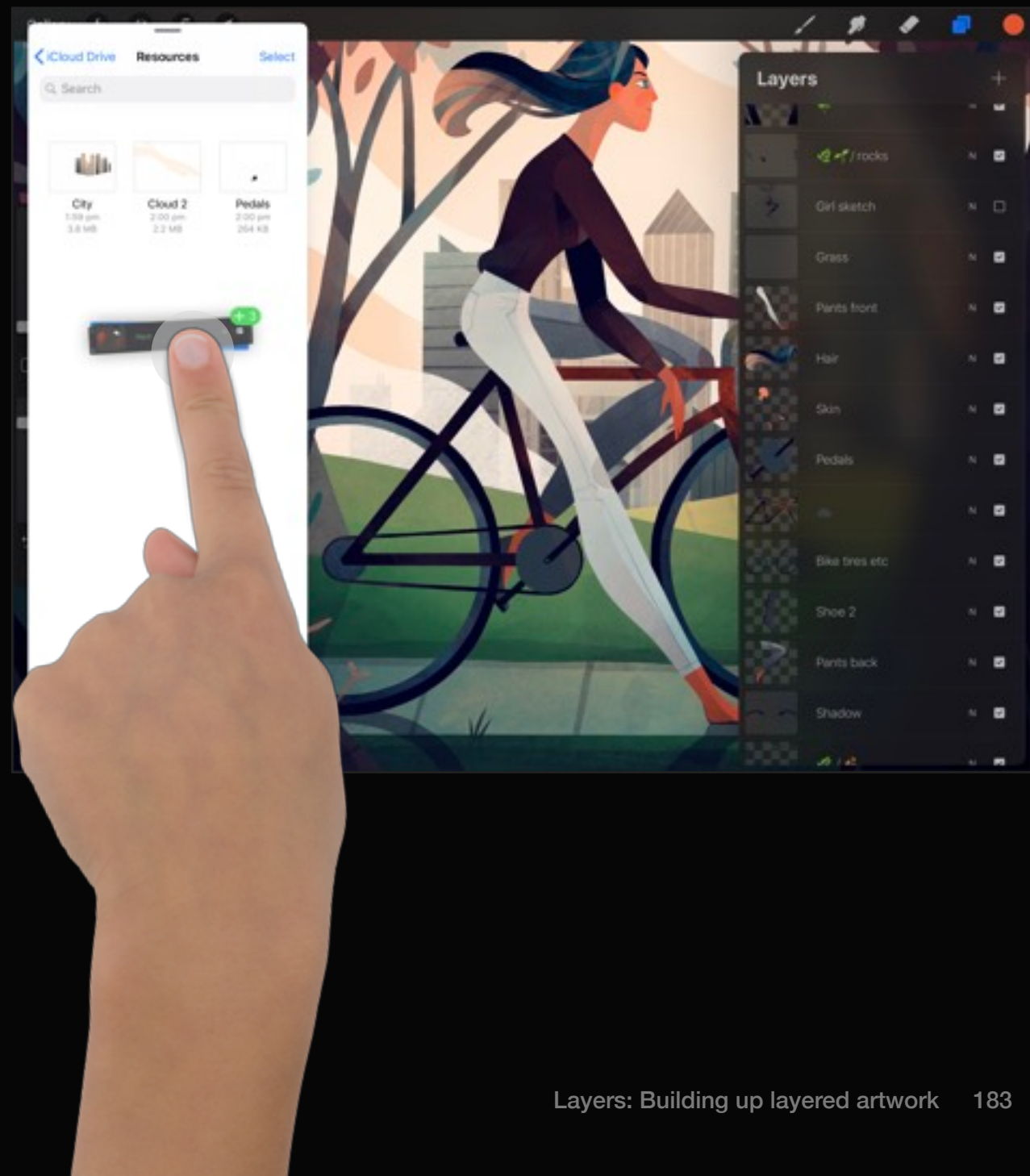
Turn off your Background color to export a PNG with transparency

Tap the Background color to change it

Drag and Drop export

Export individual layers without leaving your canvas.

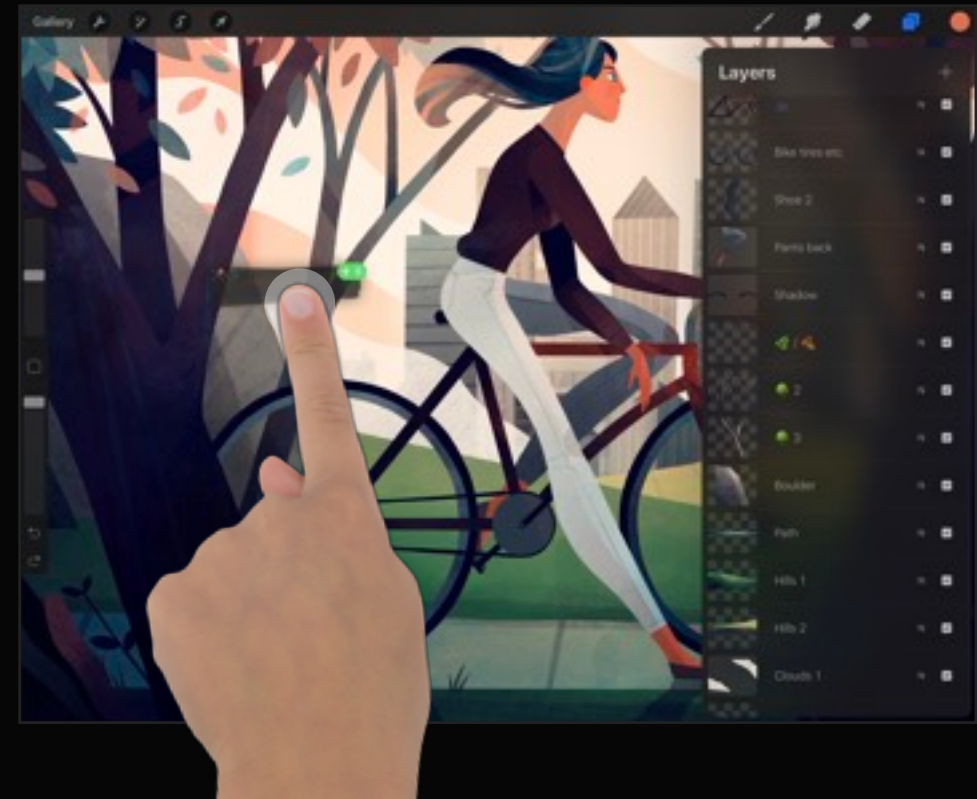
Pick up a layer and drag it to any compatible location to export it as an image. Pick up one layer then tap others to add them to the stack and export them all at once.



Move layers between canvases

Drag and Drop layers from one canvas to another, or drop them in the Gallery to create new canvases.

Tap and hold to pick up a layer, then tap other layers to pick them up as well. Tap the Gallery button with another finger.



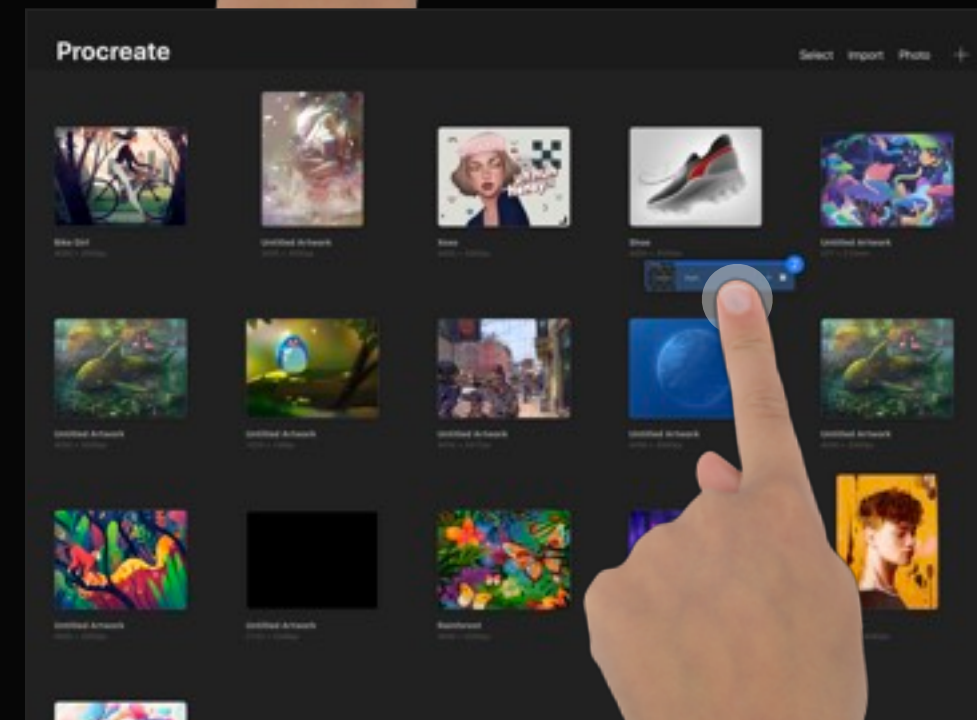
Creating new canvases

Dropping layers in the Gallery will create a new canvas for each layer you're holding. The canvas dimensions will be the same as the dimensions of your origin canvas.

Adding to an existing canvas

While you're holding your layers in the Gallery, tap your destination canvas with another finger. Once the canvas loads, open the Layers menu, and drop your layers into the menu.

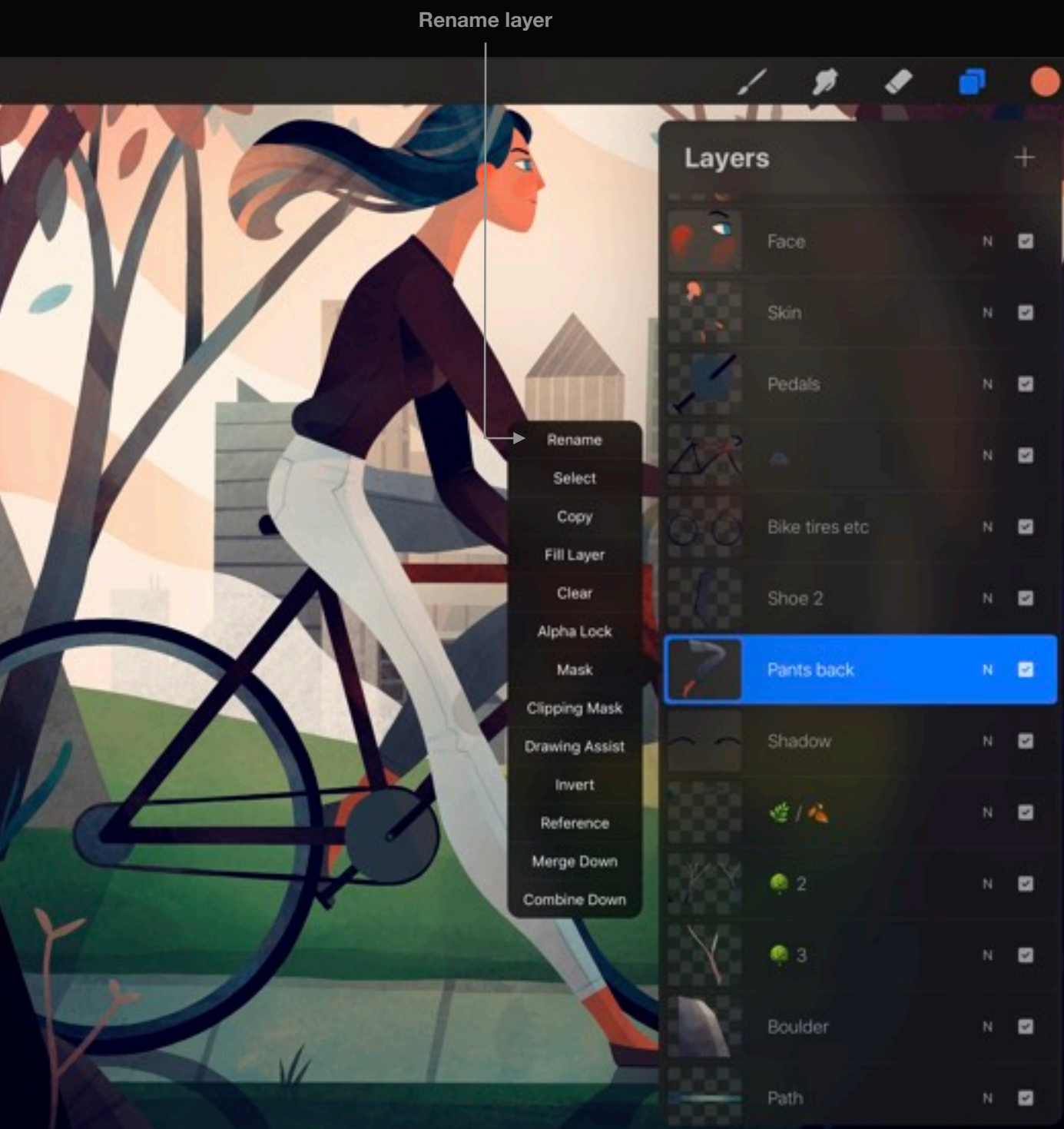
Layers imported by this method are transferred as images, and will not retain Blend Modes, Masks, or other layer-specific data.



Section 2

Extra layer options

Once you have the Layers menu open, select a layer by tapping on it and tap it again to access the Layer Options menu.
Read on for explanations of each available layer option.

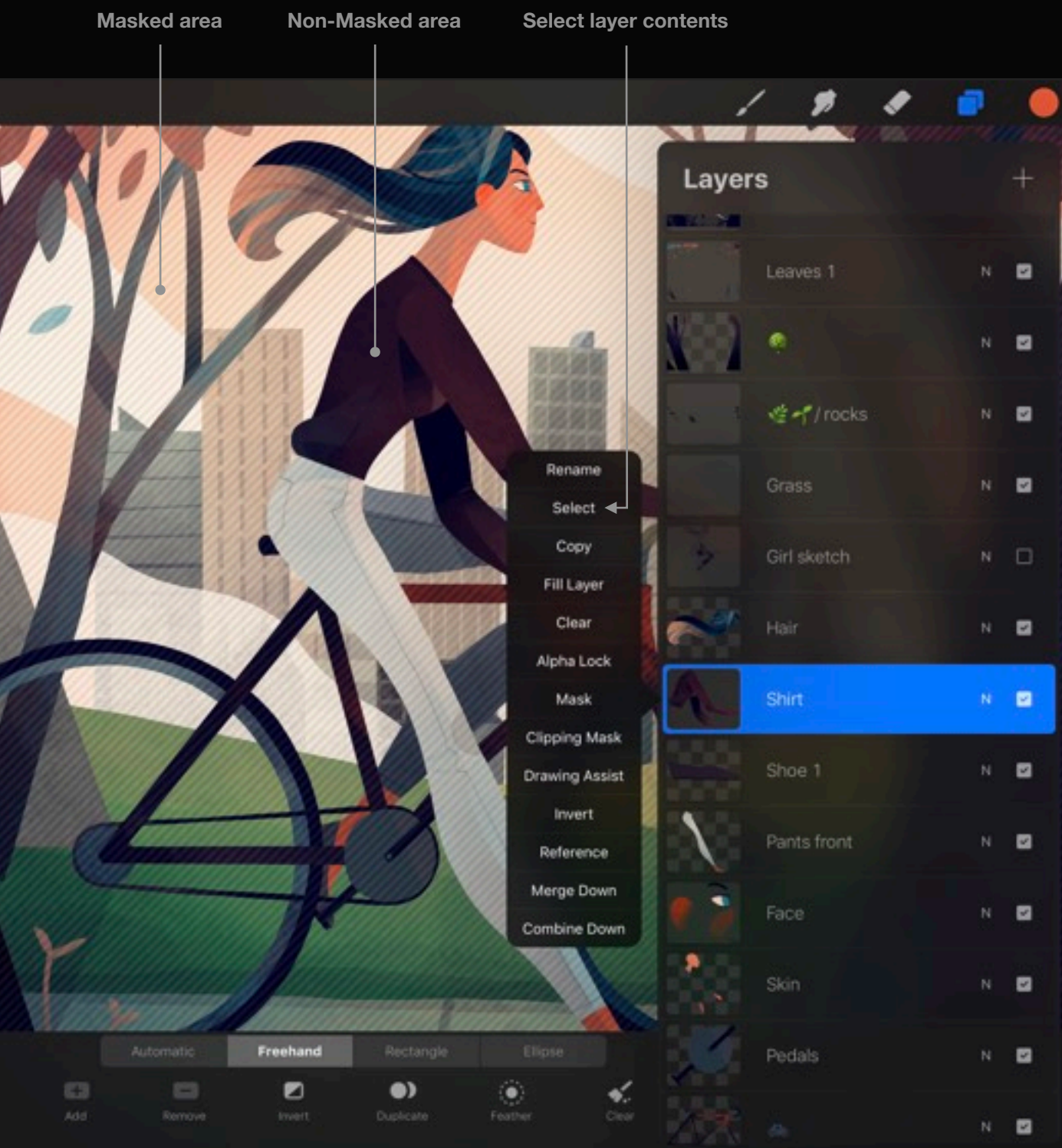


Renaming a layer

Naming layers can make working in complex artwork even quicker.

Your layers will be given sequentially numbered titles until you choose to change them. If you have three layers already and create a fourth, then that layer will be called 'Layer 4'.

Selecting the Rename option will invoke the iPad keyboard. When you are finished editing, tap the Return or dismiss keyboard keys, or simply tap on the canvas.



Select layer contents

Quickly choose the area of paint on the canvas for greater control over further actions.

By tapping the Select button, you will enter Selection mode and immediately see an applied selection. From here you can transform your selection, copy it, paint inside it, or any other applicable action.

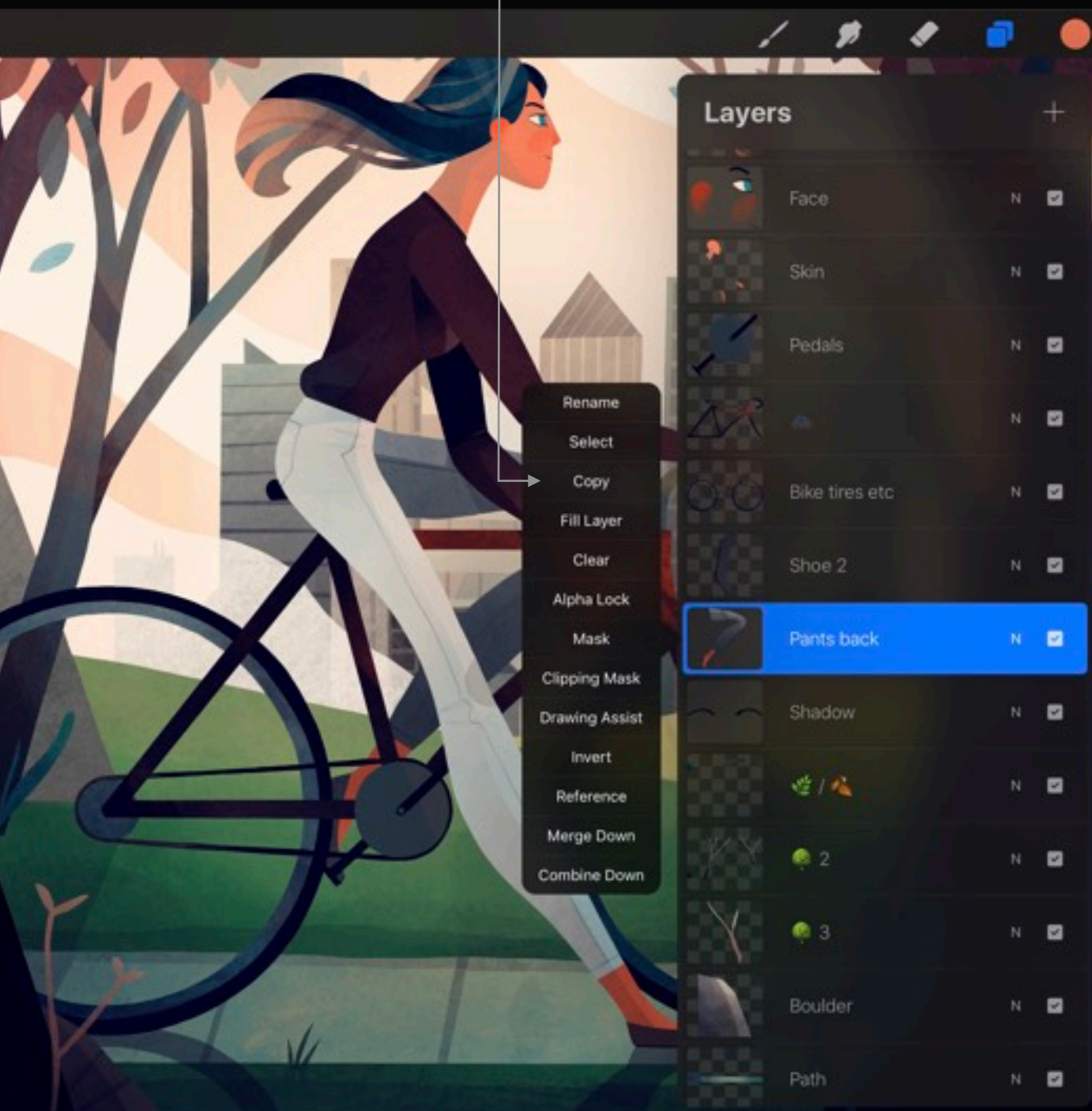
When you are finished with the selection, just tap the Selection icon to finalize it.

Pro tip:

You can also select the contents of a layer by holding on the layer with two fingers.

See page 249 for more information about how to use Selection tools.

Copy layer contents

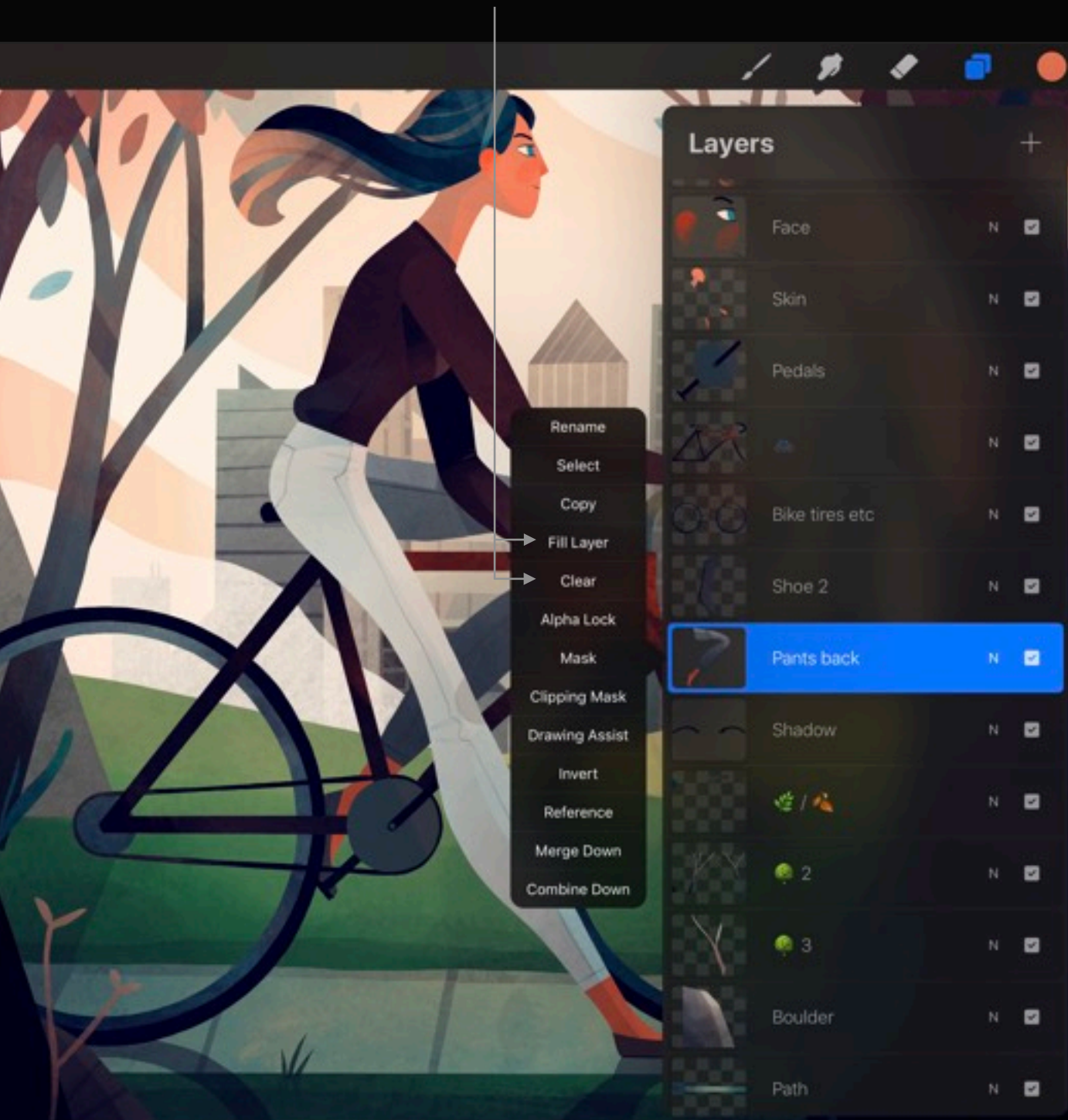


Copy layer contents

Quickly copy your Primary layer to the clipboard.

Tap Copy to add the image data to your iPad's clipboard. You can use that data to paste into another Procreate canvas, email it, or use it in another app.

Fill and Clear layer



Fill and Clear layer

Quickly clear a layer's contents or fill it with the currently selected color.

Fill Layer

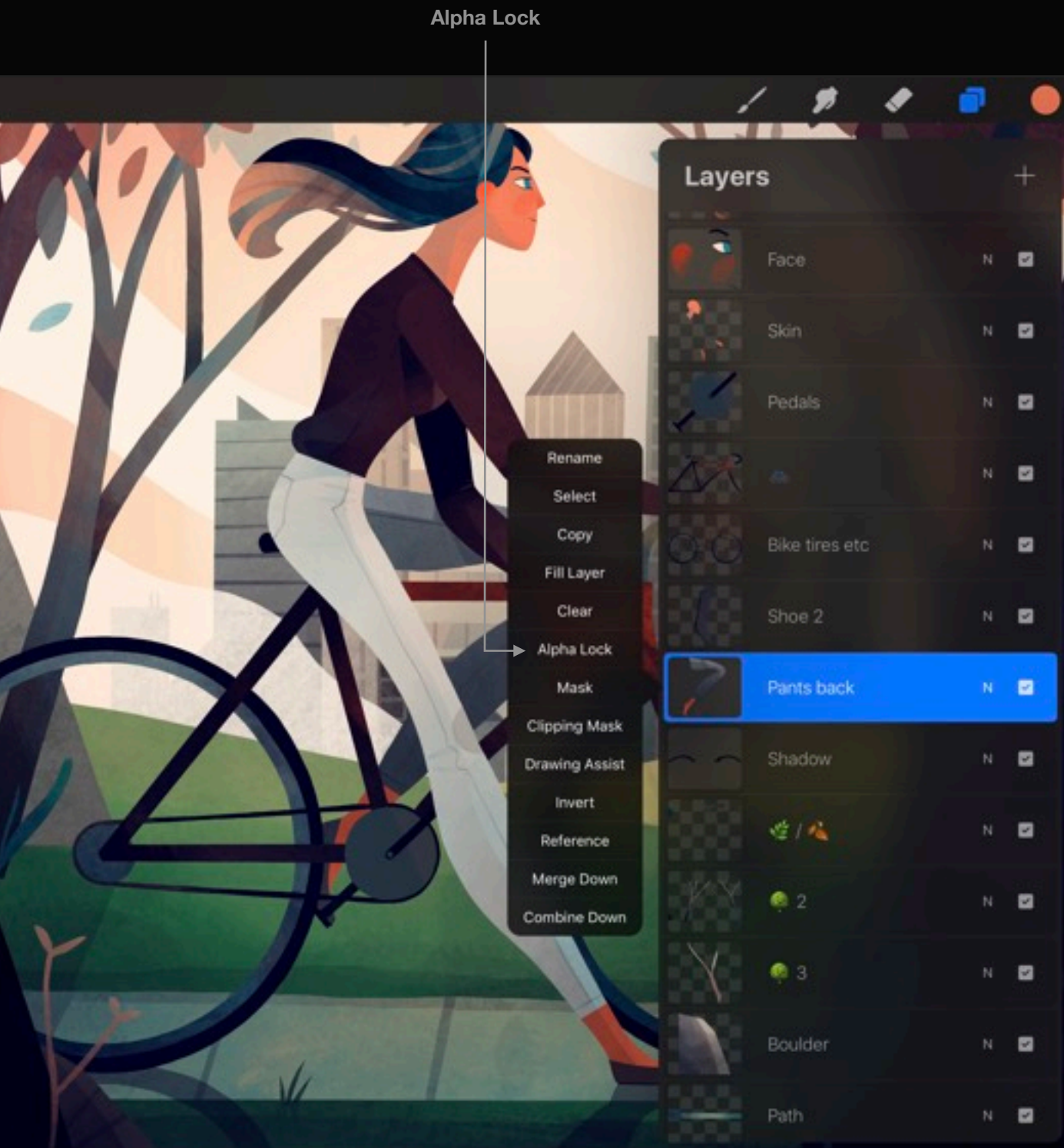
Tapping Fill Layer will use the currently selected color to fill the whole layer evenly. Any artwork on this layer will be overwritten with a flat color.

Clear layer

Just like it suggests, it will clear the entire layer, and reset the layer opacity. It will not, however, reset the blend mode, or change the layer name.

Pro tip:

Using Fill Layer with Alpha Lock on will only fill the used pixels on that layer.



Alpha Lock

Procreate comes with the ability to lock a layer's transparency (or alpha). Once your edges are correct you will never have to do them again.

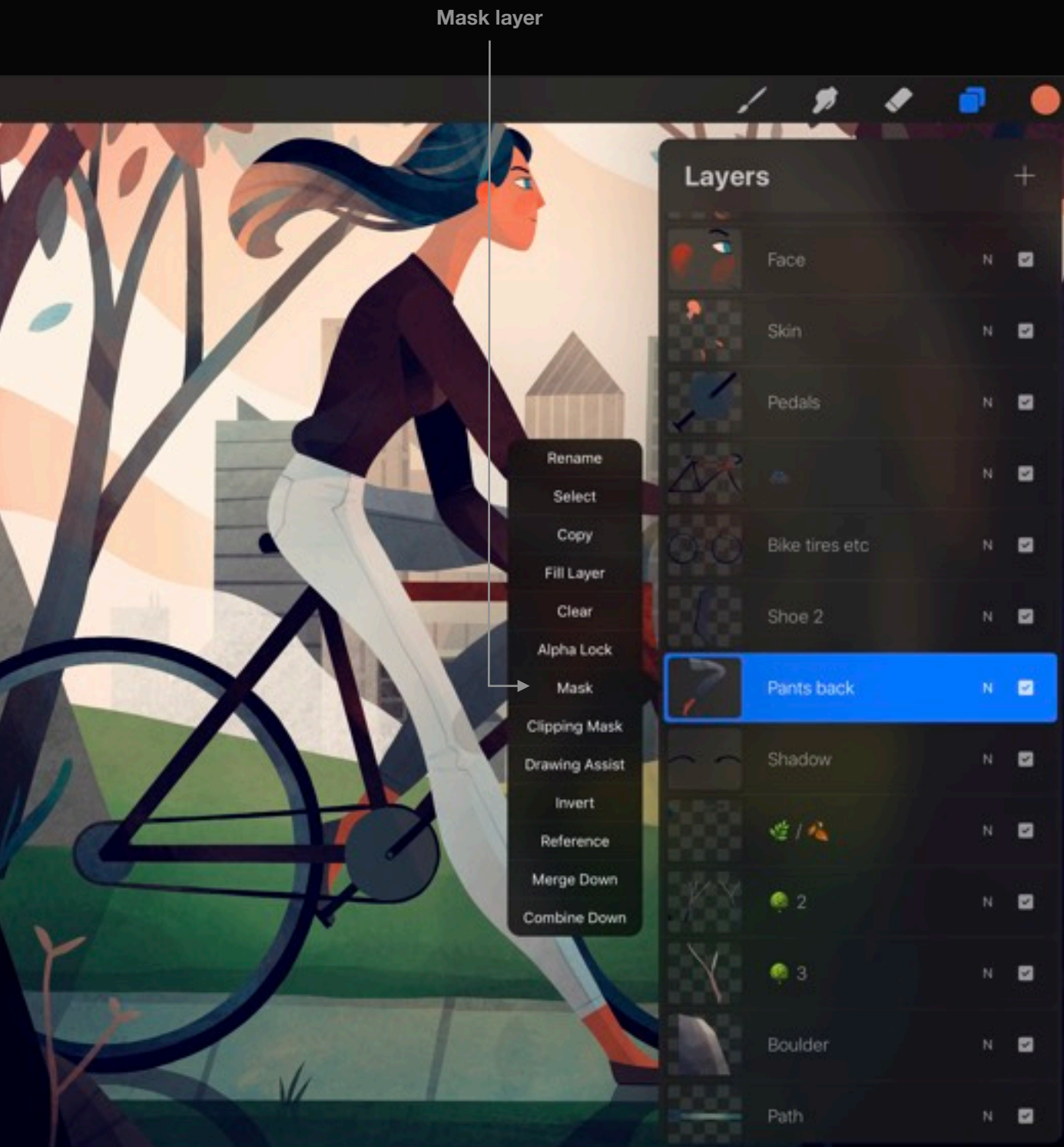
Lock a layer's transparency

Once you have blocked out your shape, tap Alpha Lock in the Layer Options menu, or swipe left to right with two fingers on any layer to lock the alpha. While Alpha Lock is active, you will only be able to paint or smudge inside the area that already has paint on it. Active Alpha Lock is shown by the chequered background in the layer thumbnail.

If you want to touch up an edge, or add to it, simply turn the Alpha Lock off, tidy it up and flick it back on to preserve the alpha once again.

Pro tip:

If you have Alpha Lock active, you can use the Fill Layer option to fill all the used pixels on that layer with a solid color.



Mask layer

Use Layer Masks to hide and modify your content non-destructively.

Applying a Layer Mask

Tap the Mask button to attach a Layer Mask. This will make a new mask layer, connected to your current Primary layer. To remove the mask, simply swipe right to left and tap the Delete button. Learn more about Layer Masks on page 212.

Pro tip:

A Layer Mask counts towards your maximum layer count for that canvas. If you're unable to create a Layer Mask, try deleting or merging some layers first.

Clipping Mask



Clipping Mask

Use Clipping Masks to control the visibility of one layer using the content of another layer.

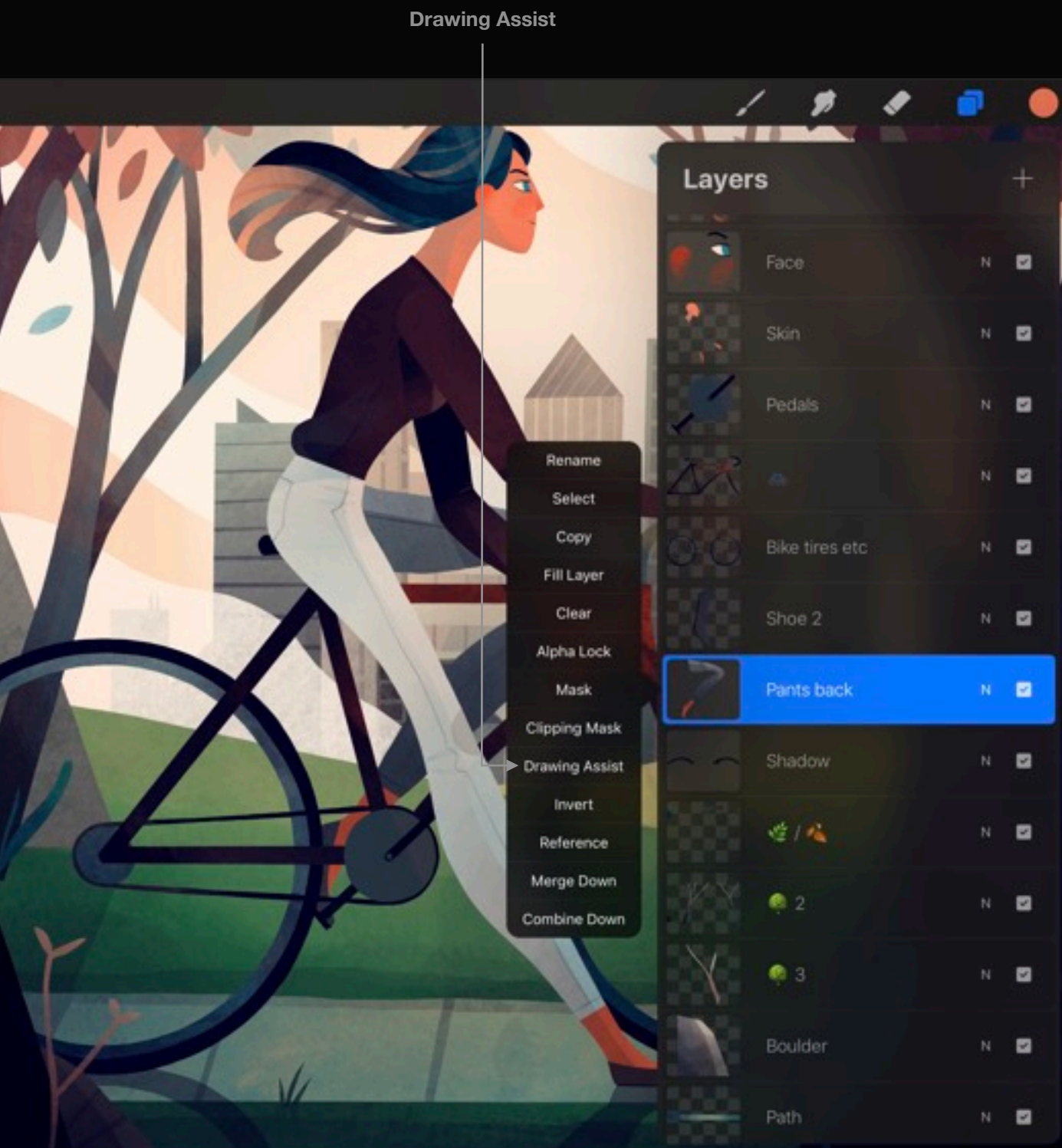
Applying a Clipping Mask

Tap the Clipping Mask button in the Layer Options menu to toggle the Clipping Mask function on that layer. Activating Clipping Mask will use the content of the layer below to control the visibility of the content of the clipped layer. Learn more about Clipping Masks on page 219.

Pro tip:

Clipping Masks can be stacked for advanced control and effects.

The Clipping Mask option is not available if your selected layer is at the bottom of the Layers menu.



Drawing Assist

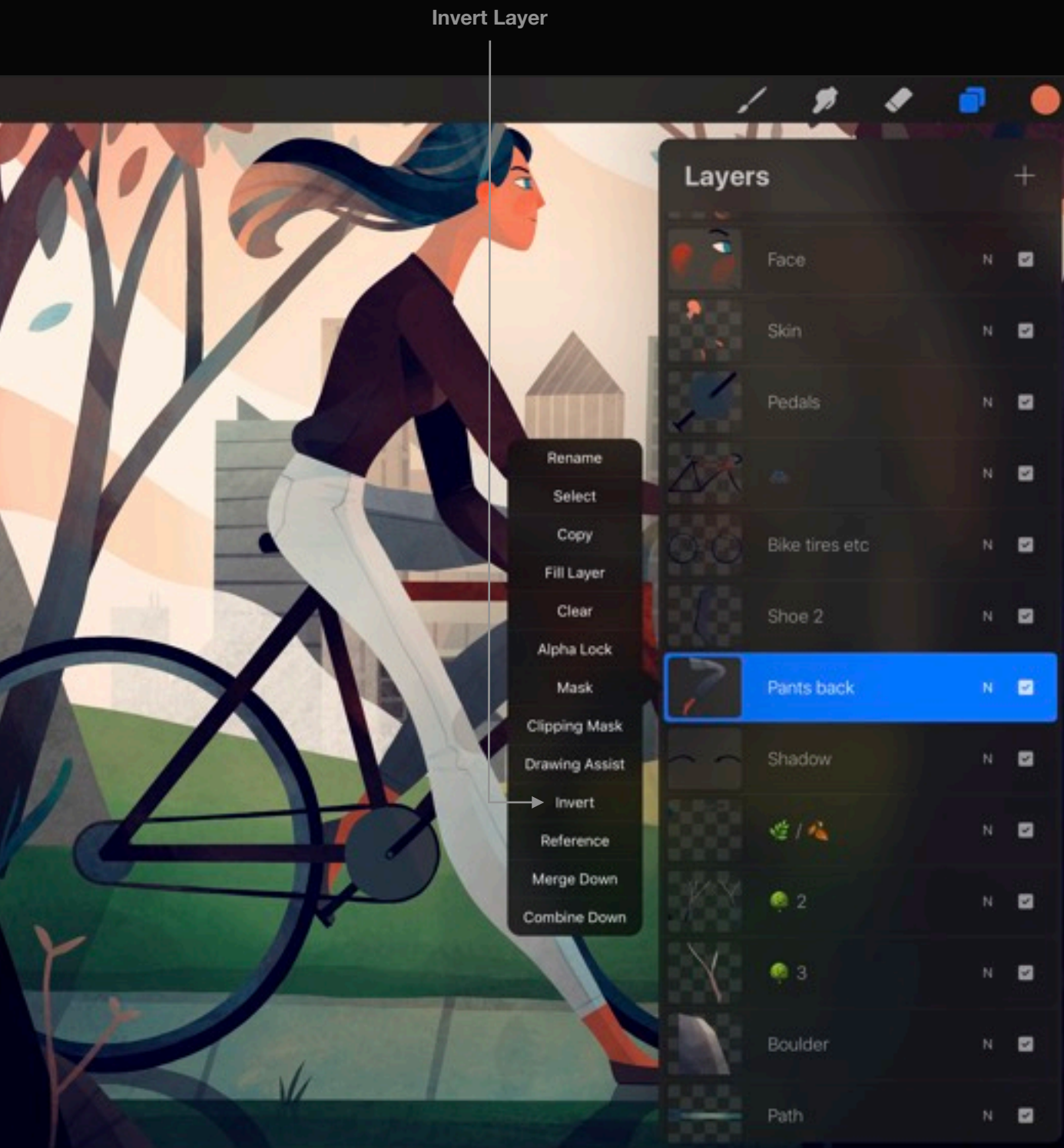
Snap your strokes to your Drawing Guide, or draw in Symmetry.

This option is only available when you have an active Drawing Guide. With Drawing Assist active on a layer, every stroke you make will automatically constrain to your existing 2D, Isometric, or Perspective Guide. If you have a Symmetry Guide, Drawing Assist will be automatically enabled to start, replicating your strokes according the guide.

Pro tip:

QuickShape can also be invoked in this mode at any time, allowing straight lines that are unbound.

See page 394 for more about Drawing Guides.

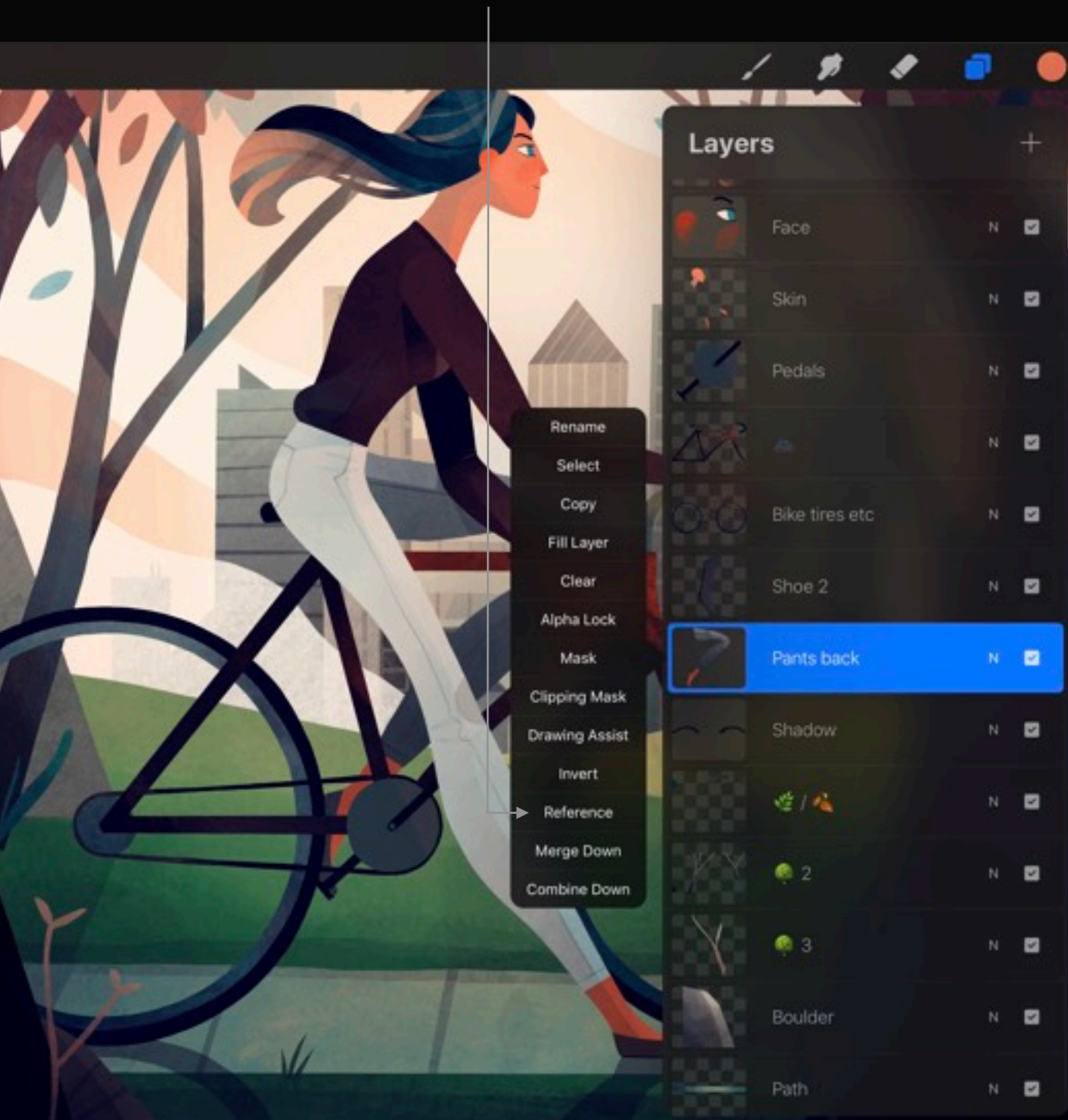


Invert Layer

Immediately invert all the colors in a layer

Tap this button to invert all the colors in your layer. This will automatically replace each color with its opposite complementary color.

Reference Layer



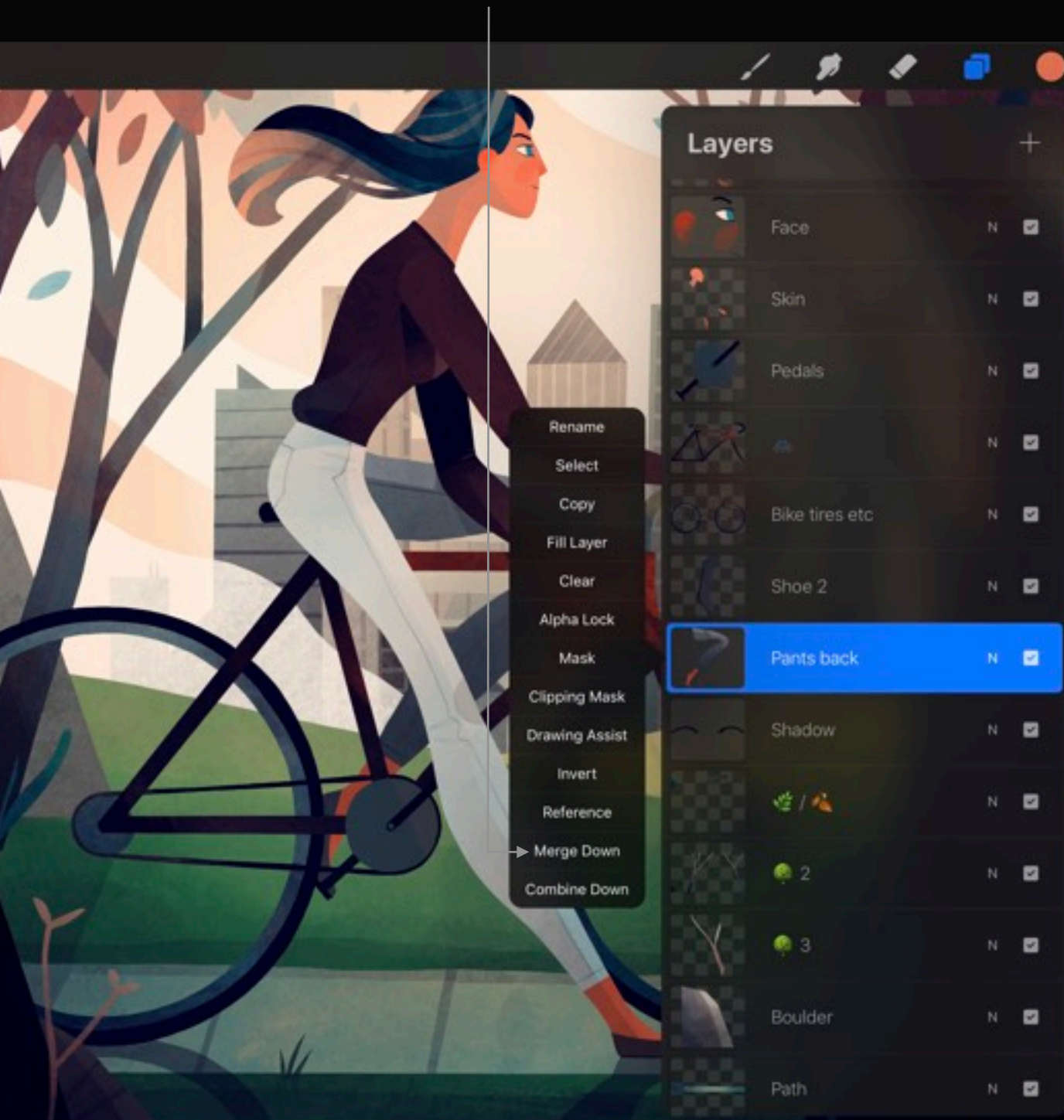
Reference Layer

An advanced feature designed for cartoonists and concept artists that keeps color fills and ink separate.

Reference Layer works exclusively with ColorDrop to fill to your Primary Layer using the bounds of the Reference Layer. An active Reference Layer will display the word “Reference” underneath the layer preview.

Tap the Reference button in the Layer Options menu to activate that layer as the Reference. Select another Primary layer and ColorDrop can fill into the Primary layer based on the Reference.

Merge Down layer



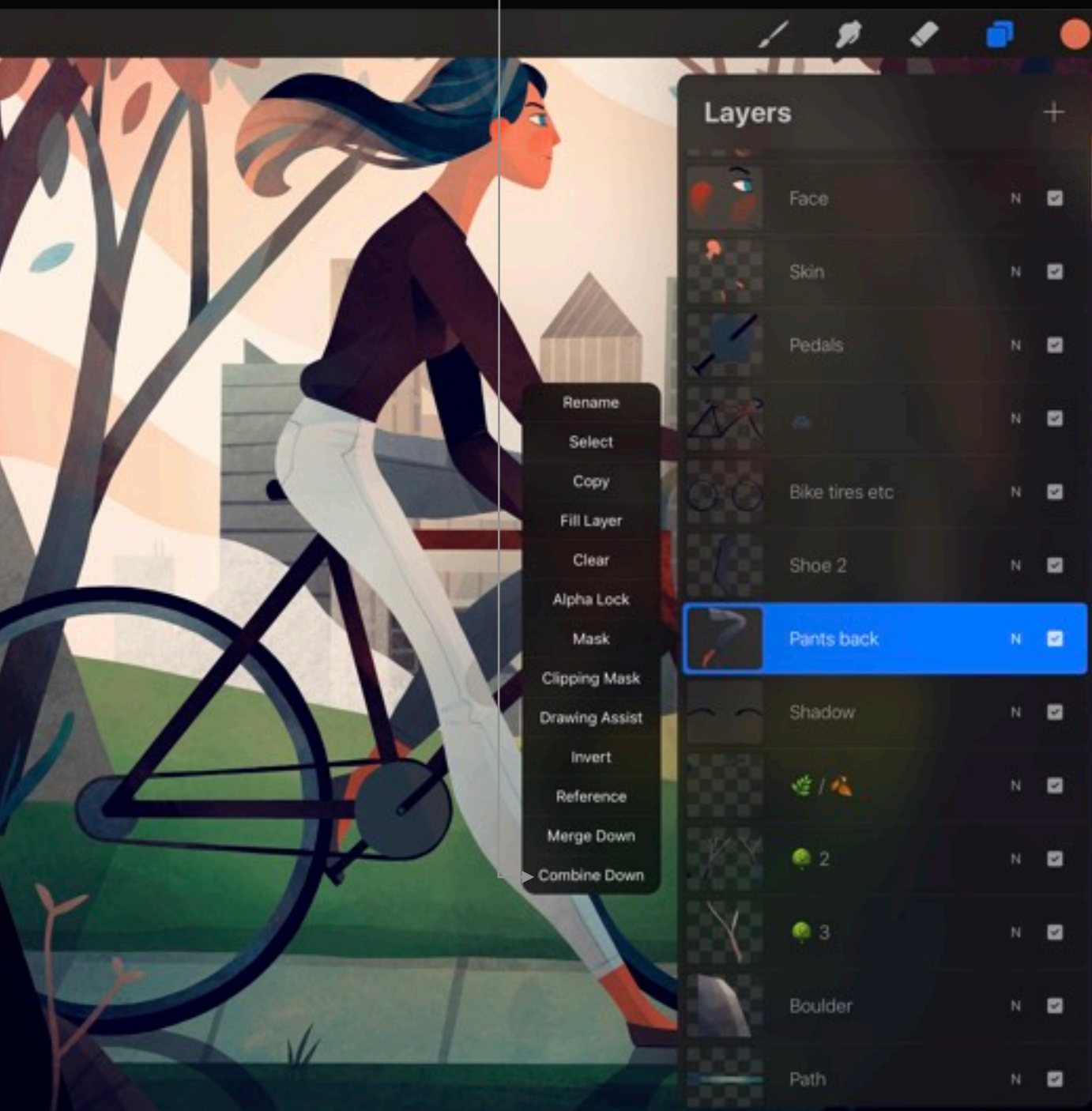
Merge Down

Layers in Procreate allow you to work on one area of an artwork without destroying other areas. Sometimes, however, you may want to combine or merge different layers together.

Merge Down

Tapping this will combine the active layer with the layer directly below. The two layers will become one single layer and they will no longer be editable as separate objects.

Combine Down layer



Combine Down

Combine a layer into a Layer Group

Tap the Combine Down button to combine the selected layer with the layer below into a new Layer Group. If the Primary layer is above a Layer Group, the layer will become part of that Group. You can also combine a Group with a layer below, or combine two Groups.

Pro tip:

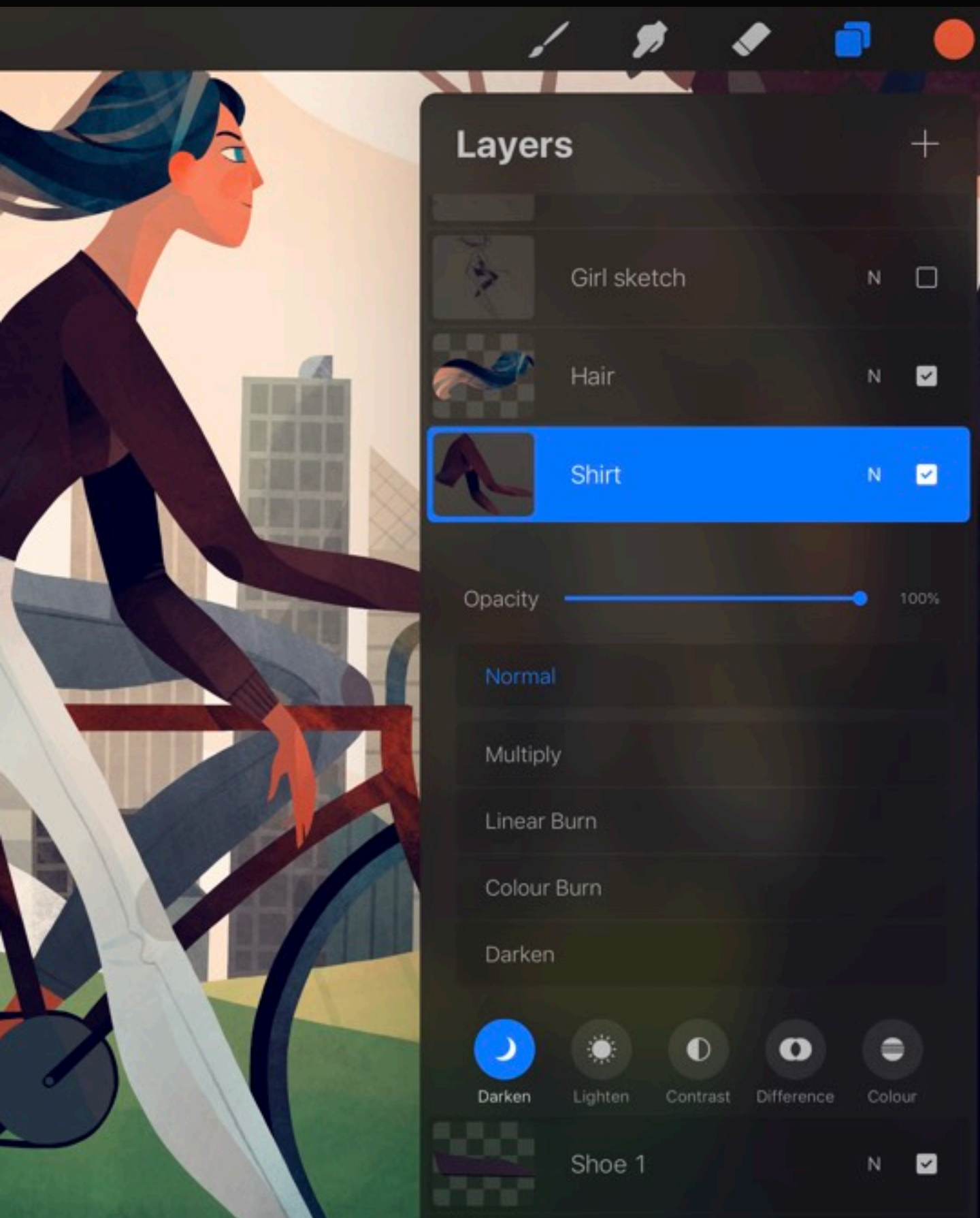
You can also add Combine Down to your QuickMenu, to combine layers and Groups quickly without moving away from your canvas.

See page 427 for more about QuickMenu.

Section 3

Blend modes and layer opacity

This section will give a brief description on the blend modes available in Procreate. You can change the blend modes and the layer opacity by tapping the letter representing the blend mode on the right side of any layer thumbnail.



Darken blend modes

Multiply

The best mode for darkening. Great for creating shadows and removing whites and other light colors.

Linear Burn

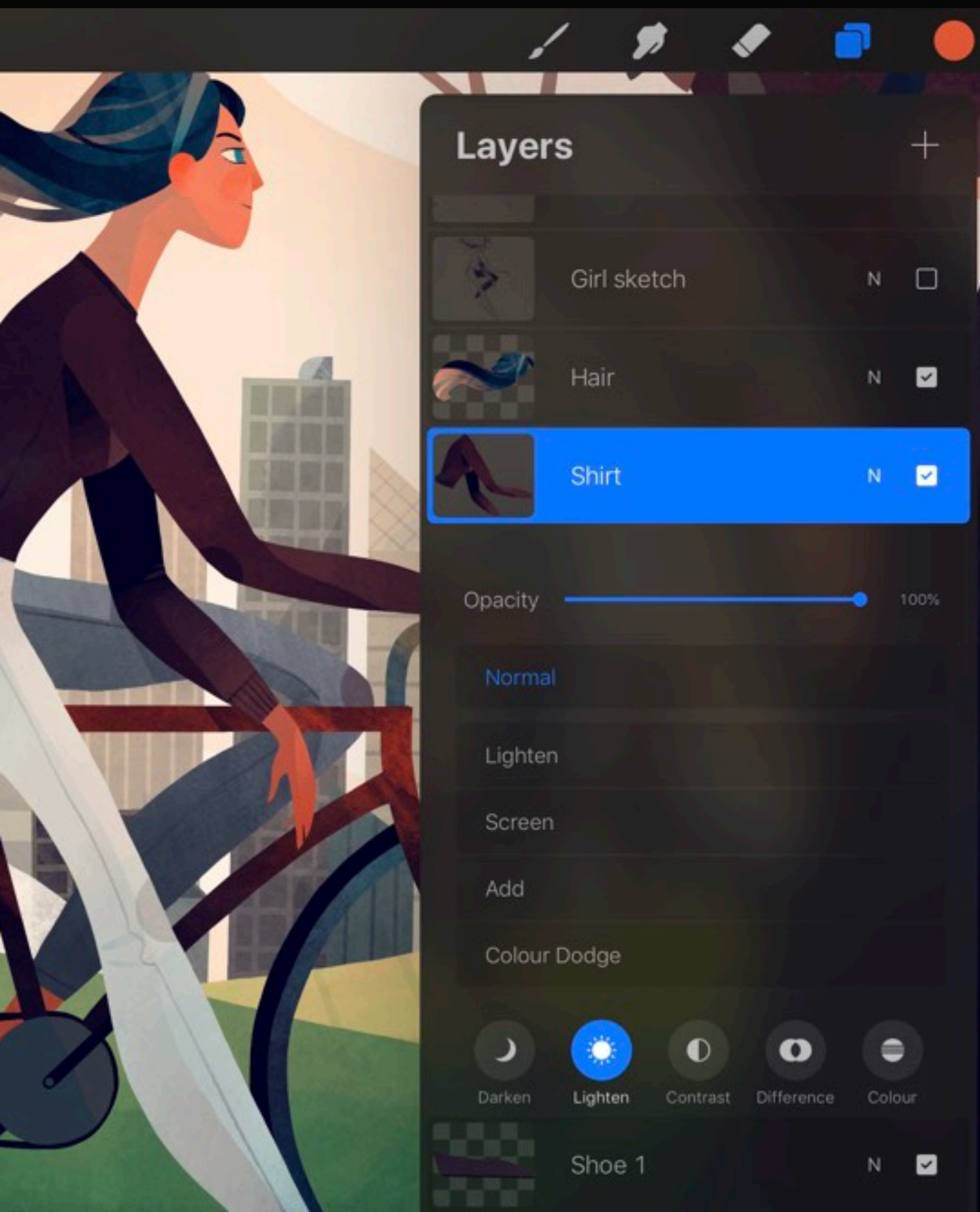
Darker than Multiply but less saturated than Color Burn.

Color Burn

Darker than Multiply with more saturated mid-tones and slightly reduced highlights.

Darken

Selects the base or blend color from each channel, whichever is darker. Pixels lighter than the blend color are replaced, and pixels darker than the blend color do not change.



Lighten

Lighten

If the pixels of the selected layer are lighter than the ones on the layers below, they are kept in the image.

Screen

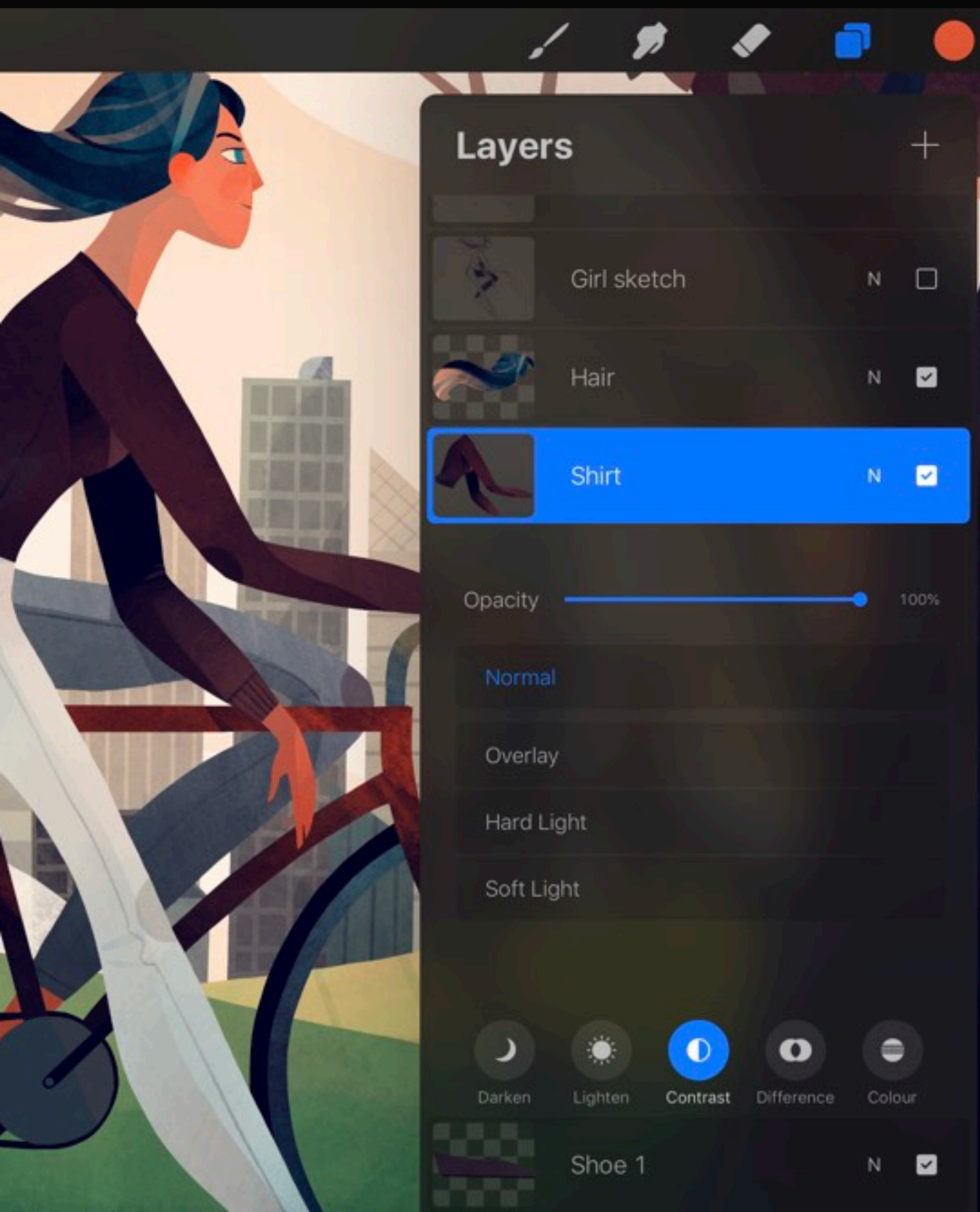
Lightens the layer where it blends with the pixels beneath. Screen is the exact opposite to Multiply mode and visually will make dark pixels appear transparent.

Add

Similar to Screen, Add lightens the layers underneath. However, it has much greater impact, causing awesome effects like blooming lights or image burn.

Color Dodge

Brighter than the Screen blend mode. Typically results in saturated mid-tones and blown highlights.



Contrast

Overlay

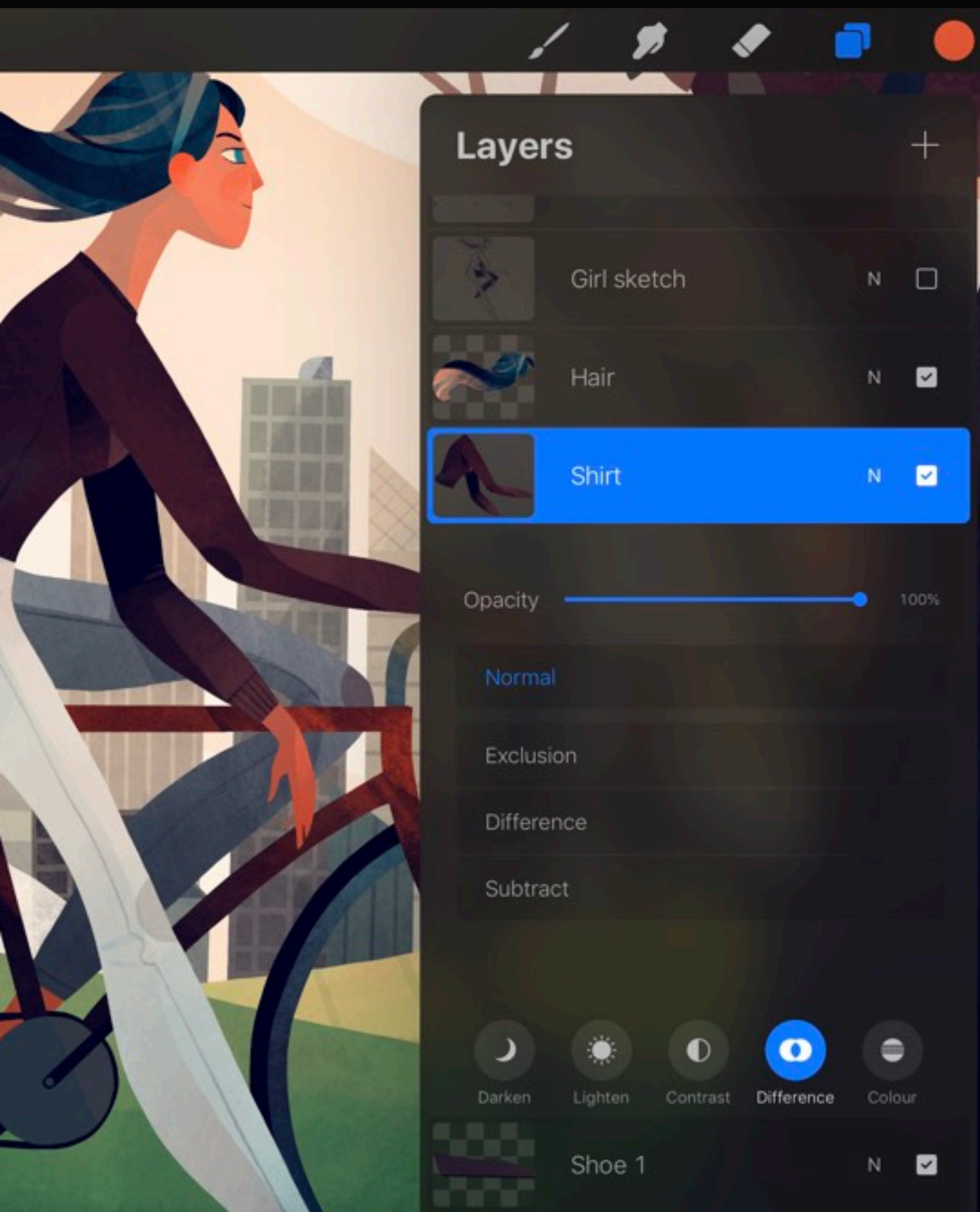
Uses a combination of the Screen blend mode on the lighter pixels, and the Multiply blend mode on the darker pixels.

Hard Light

Works similarly to Overlay, but uses the selected layer's intensity.

Soft Light

A half-strength application of the Overlay mode resulting in a softer, more organic effect.



Difference

Exclusion

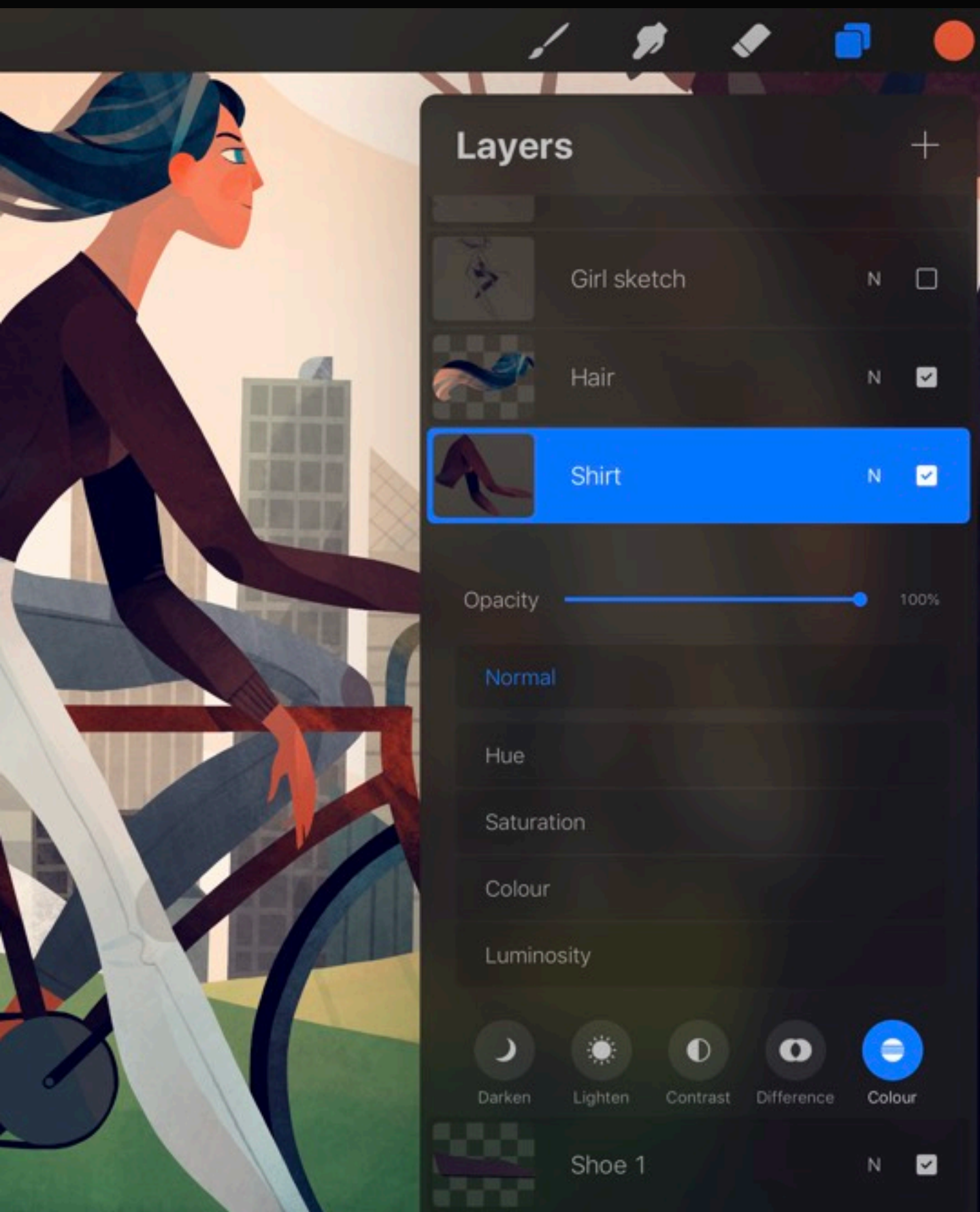
Produces an effect like a photographic negative, but with less contrast than the Difference blend mode. Mid-range colors tend to become gray and 'washed out'.

Difference

Produces a negative or inverted effect relative to the difference between the layers. Black pixels denote no difference between layers.

Subtract

Subtracts the selected layer's color from the underlying colors. If the selected color is black, the result color is the underlying color.



Color

Hue

Takes the luminosity and saturation of the underlying colors and the hue of the blend color. Try overlaying an artwork with a Hue layer to change the mood.

Saturation

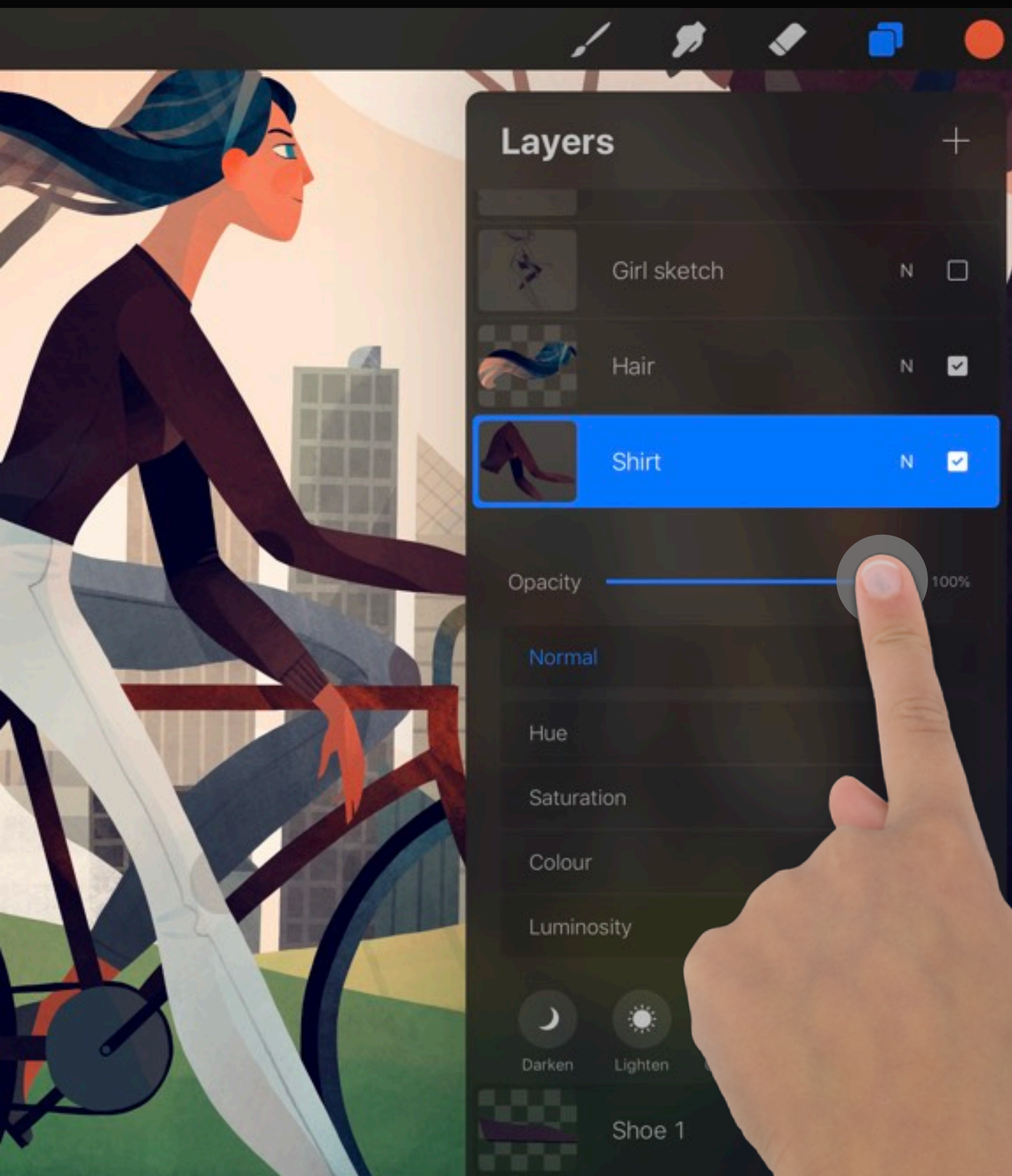
Result color has the luminosity and hue of the layers below and the saturation of the selected layer.

Color

Color uses the luminosity of the layers underneath and the hue and saturation of the selected layer. Gray levels are maintained which is very useful for coloring monochrome images.

Luminosity

Luminosity uses the hue and saturation of the layers underneath and sets the luminosity of the selected layer.



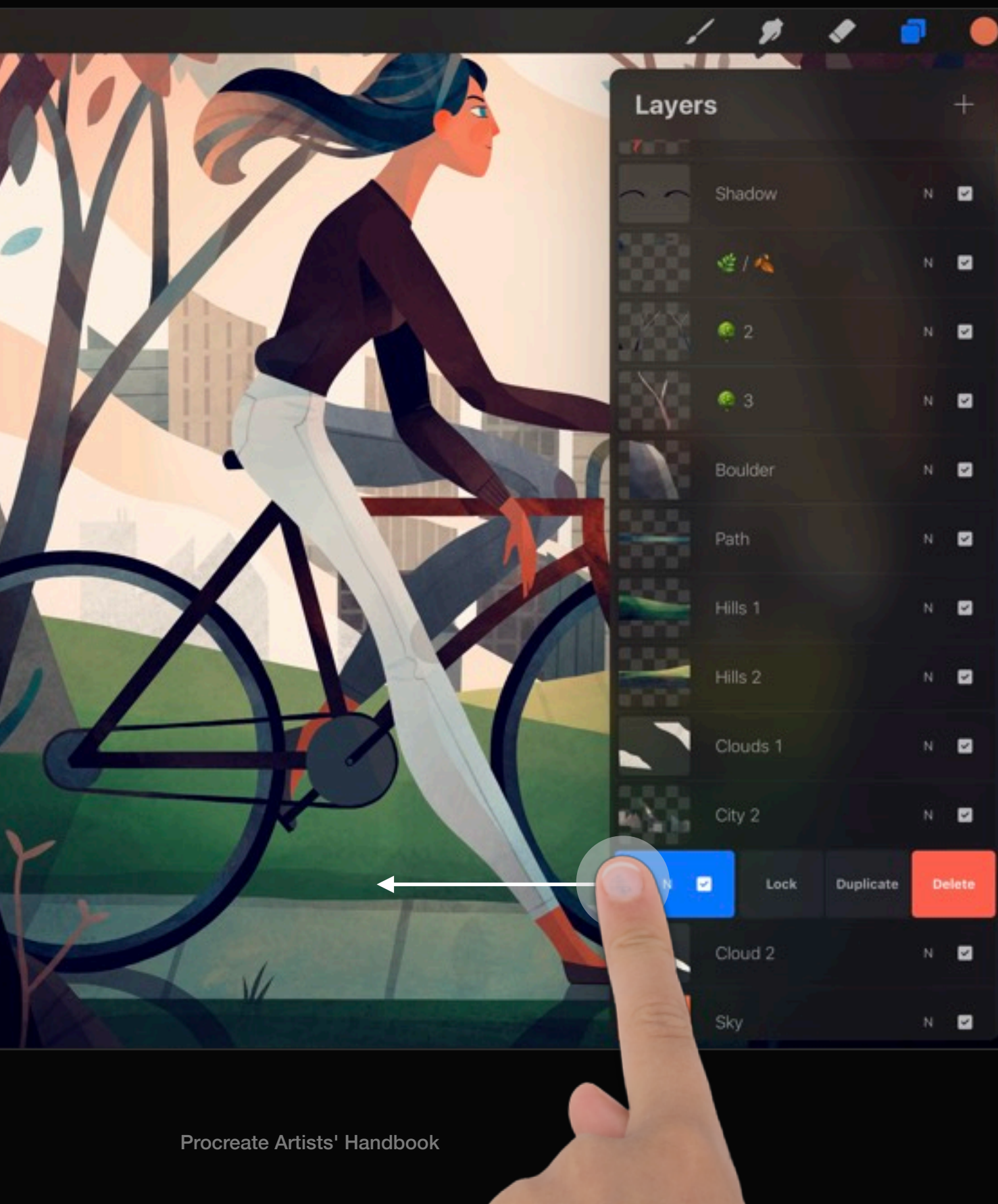
Layer Opacity

Drag the Opacity slider left or right to adjust the opacity of that layer. This will alter the opacity of the entire layer, ignoring any current selection. To adjust the opacity of a selection, see page 229.

Section 4

Quick layer actions & shortcuts

Swipe a layer to the left to access three options: Lock, Duplicate, or Delete.



Layer Actions

Swipe any layer or Group to the left to reveal quick actions.

Lock

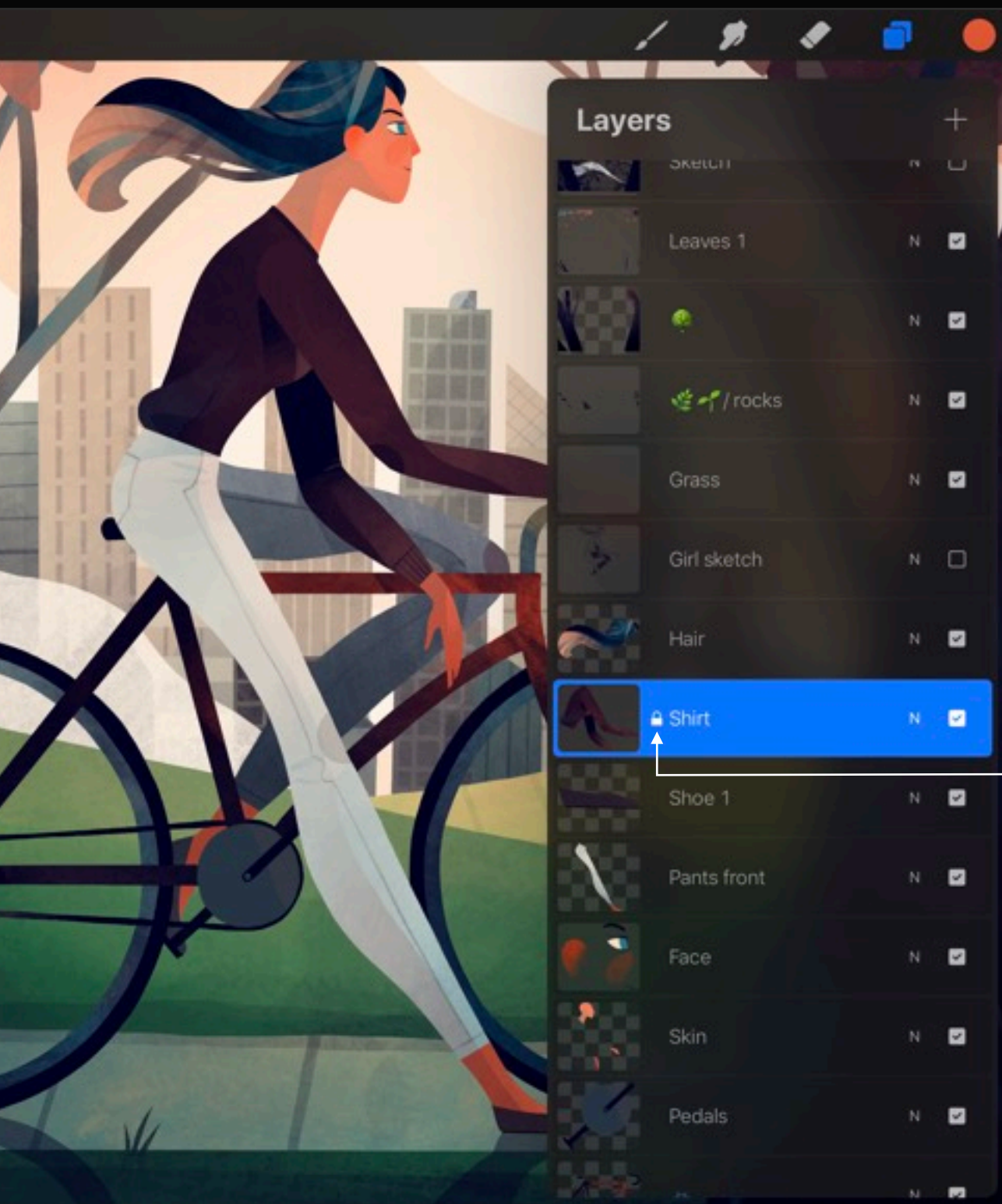
Lock a layer or Group to prevent any accidental modifications.

Duplicate

Tap this button to create a duplicate of this layer or Group in the Layers menu.

Delete

Easily delete any layer or Group. Be careful, this is final.



The padlock icon indicates that the layer is locked

Locking layers & Groups

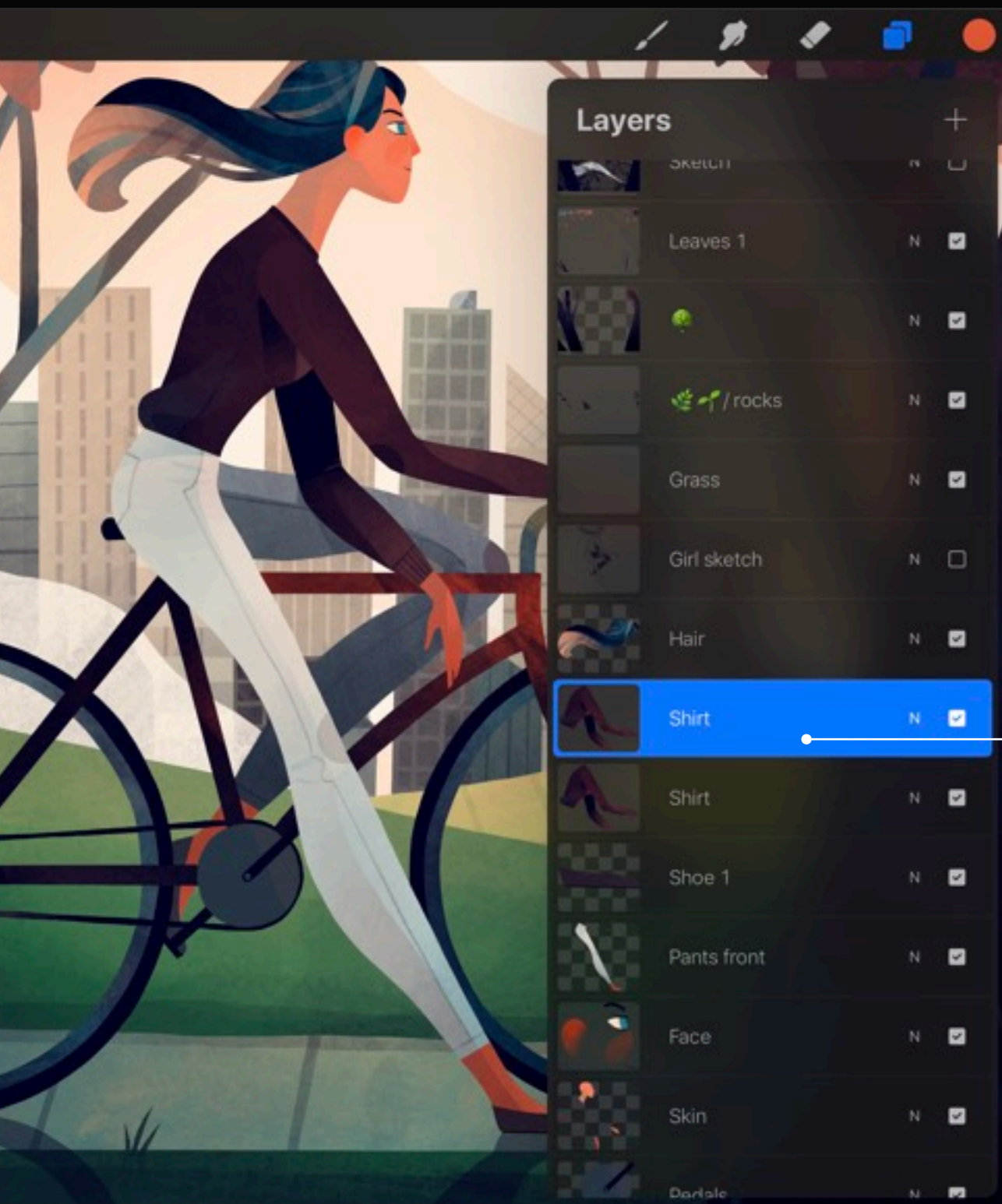
Lock any layer or Group to prevent any accidental changes.

Once you lock a layer or Group, you cannot make any changes to it until you unlock it. Swipe left on a locked layer or Group to see the Unlock button.

Locking a Group will lock all the layers in that Group. Unlocking any layer in the Group will unlock the entire Group.

Pro tip:

If any layers in a Group are individually locked before the Group is locked, then these layers will remain locked even if the Group is unlocked, until they're unlocked individually.



Duplicated layer
will be placed
above original

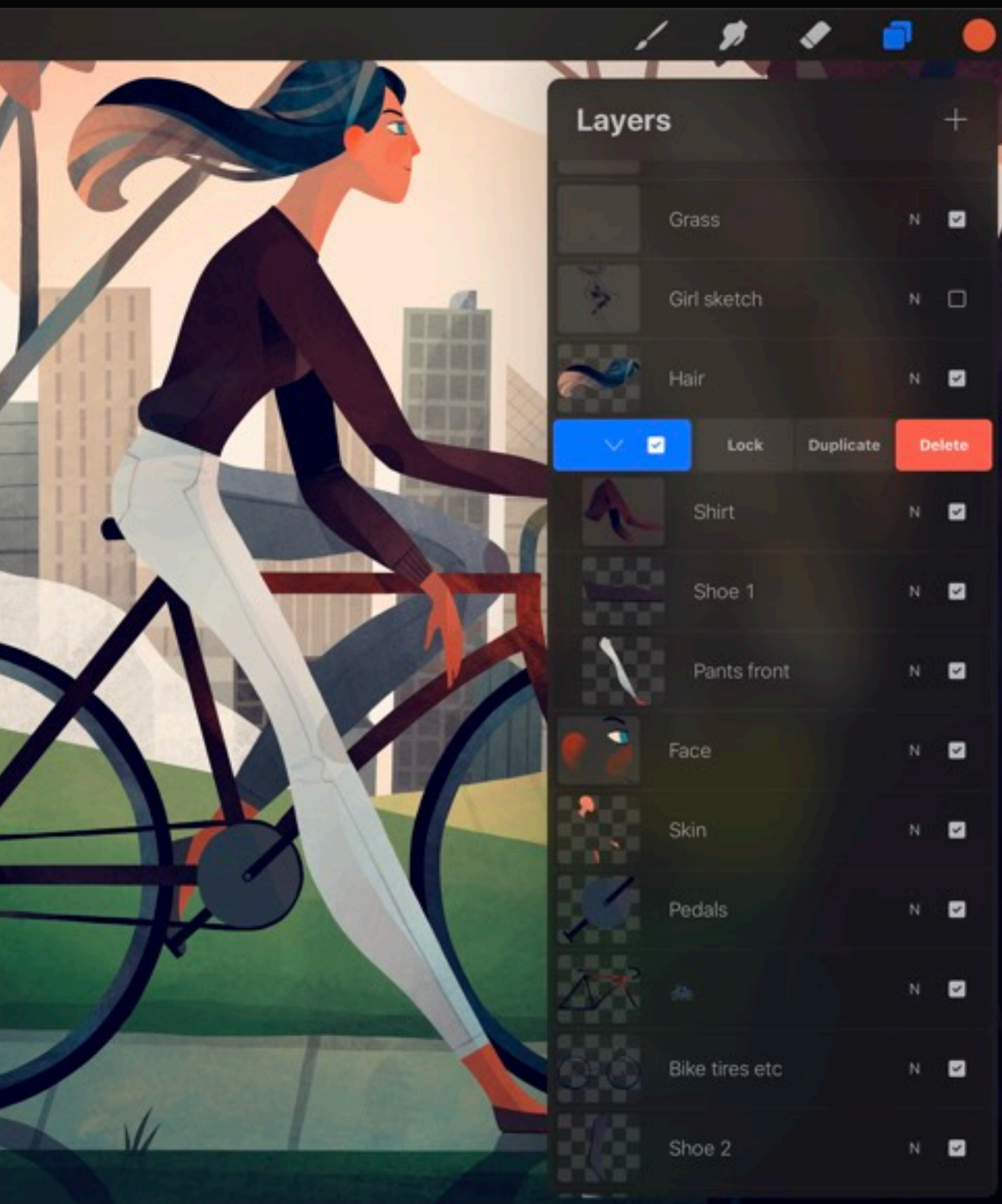
Duplicate

Duplicating a layer can be great for trialling changes without affecting the original.

To duplicate a layer or Group, swipe the thumbnail left in the Layers menu to see the Duplicate option.

Tap the Duplicate button and your layer or Group will be replicated in the Layers menu, above the original layer or Group.

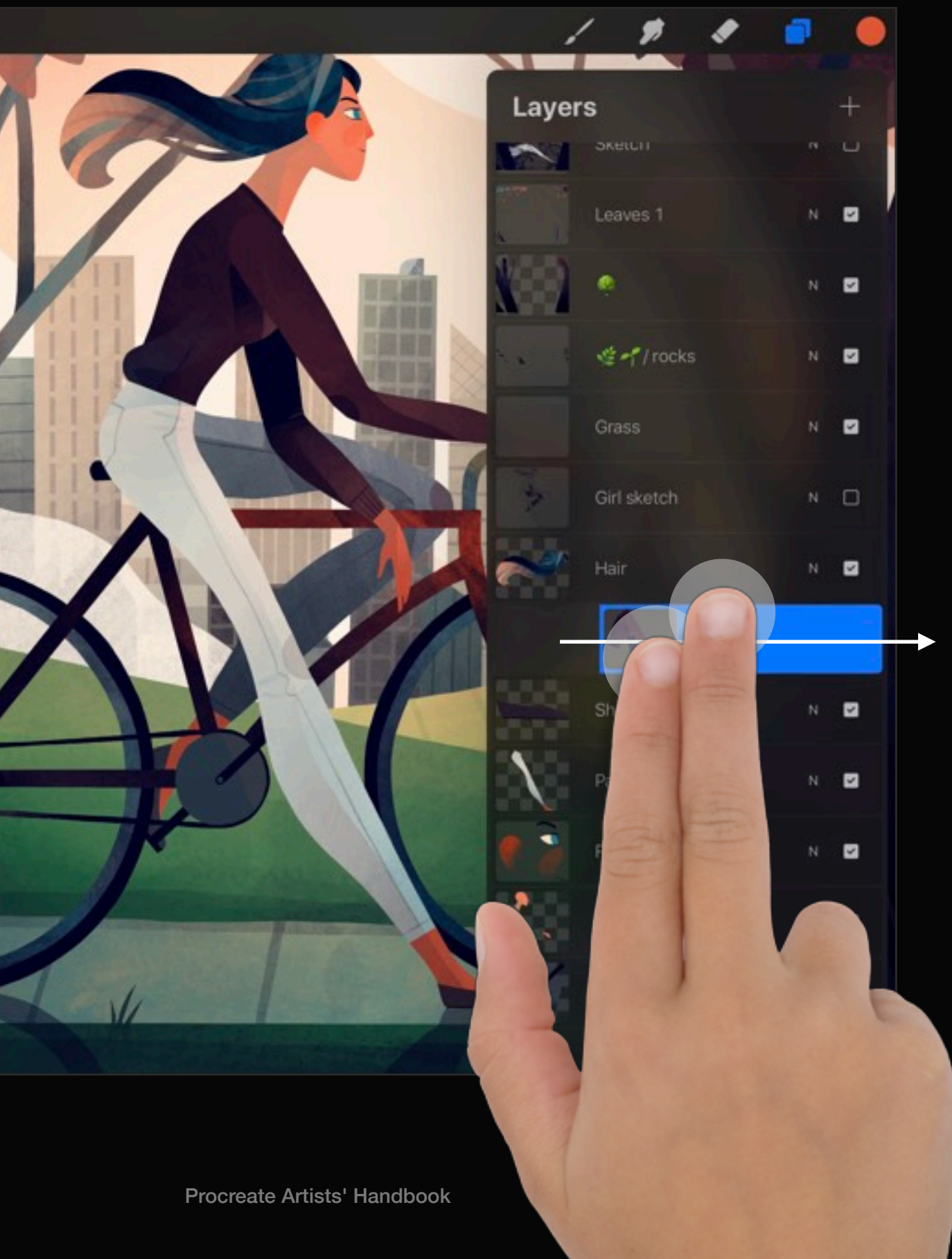
If you have reached the maximum number of layers, you will need to merge layers to make room for the duplicates.



Deleting layers or Groups

Swipe a layer or Group to the left to access the Delete option.

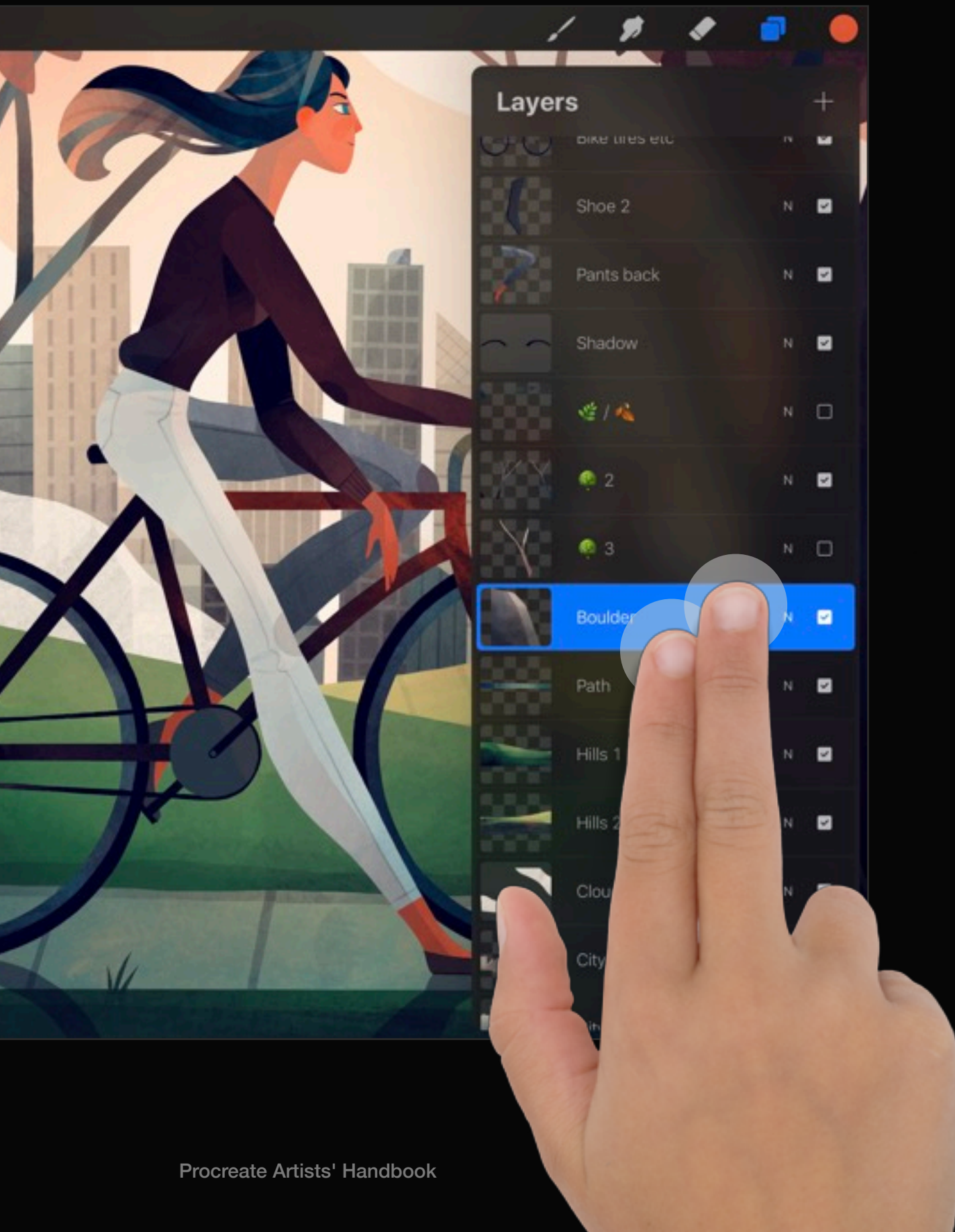
You can Undo this action, but once you have run out of undos, or if you leave or background the app, you will no longer be able to restore the layer or Group.



Quick Alpha Lock gesture

Instantly toggle Alpha Lock without the Layer Options menu.

Swipe a layer from left to right with two fingers to toggle Alpha Lock on or off. Active Alpha Lock is indicated by a chequered background in the layer preview.



Instant opacity change

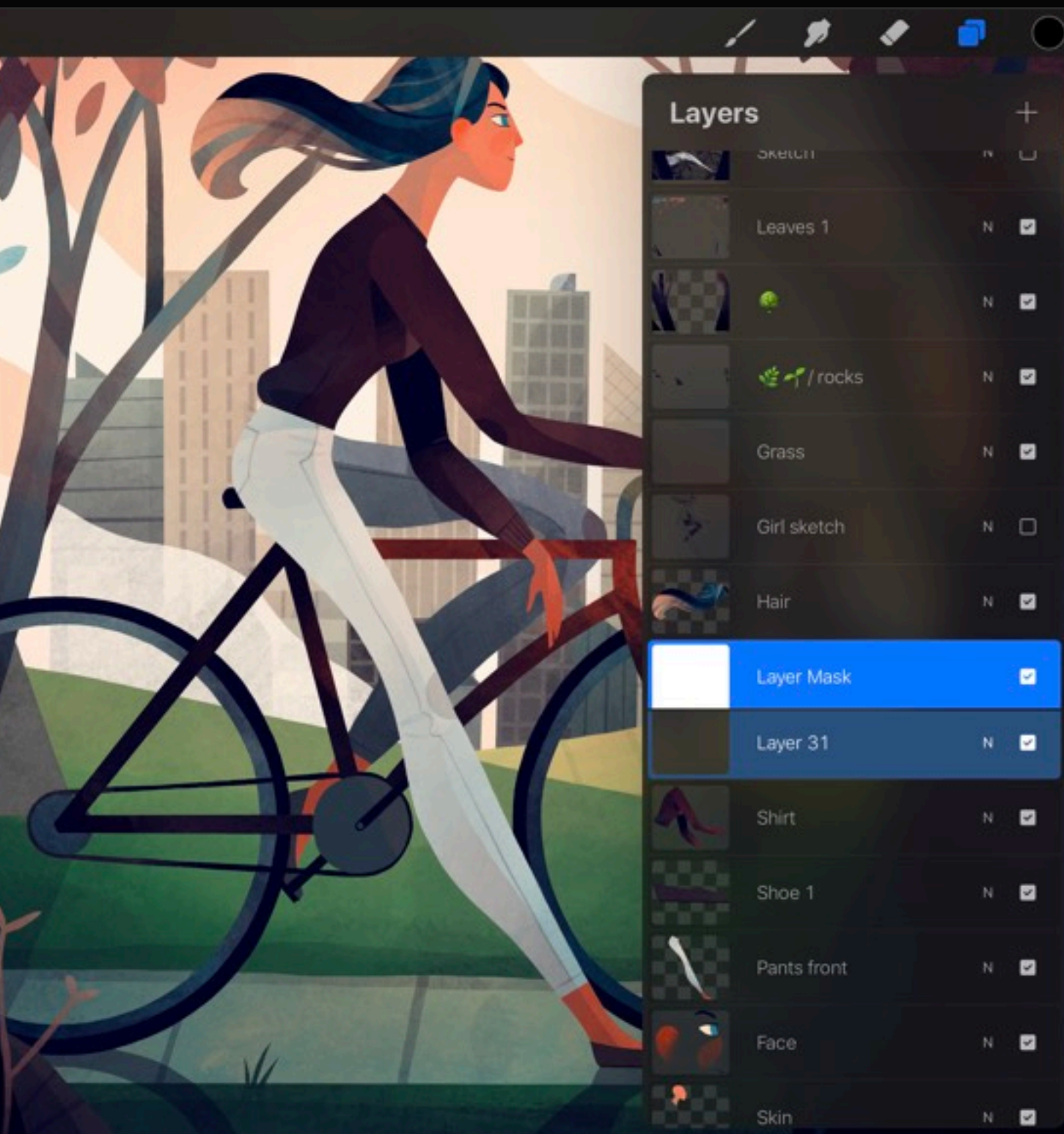
Immediately access the Opacity Adjustment with a simple gesture

Just tap a layer with two fingers to enter the Opacity Adjustment immediately. You can then drag your finger left or right across the canvas to decrease or increase the opacity of the layer or selection.

Section 5

Layer Masks

Layer Masks let you non-destructively hide and edit your content, so you can experiment without losing a single step.

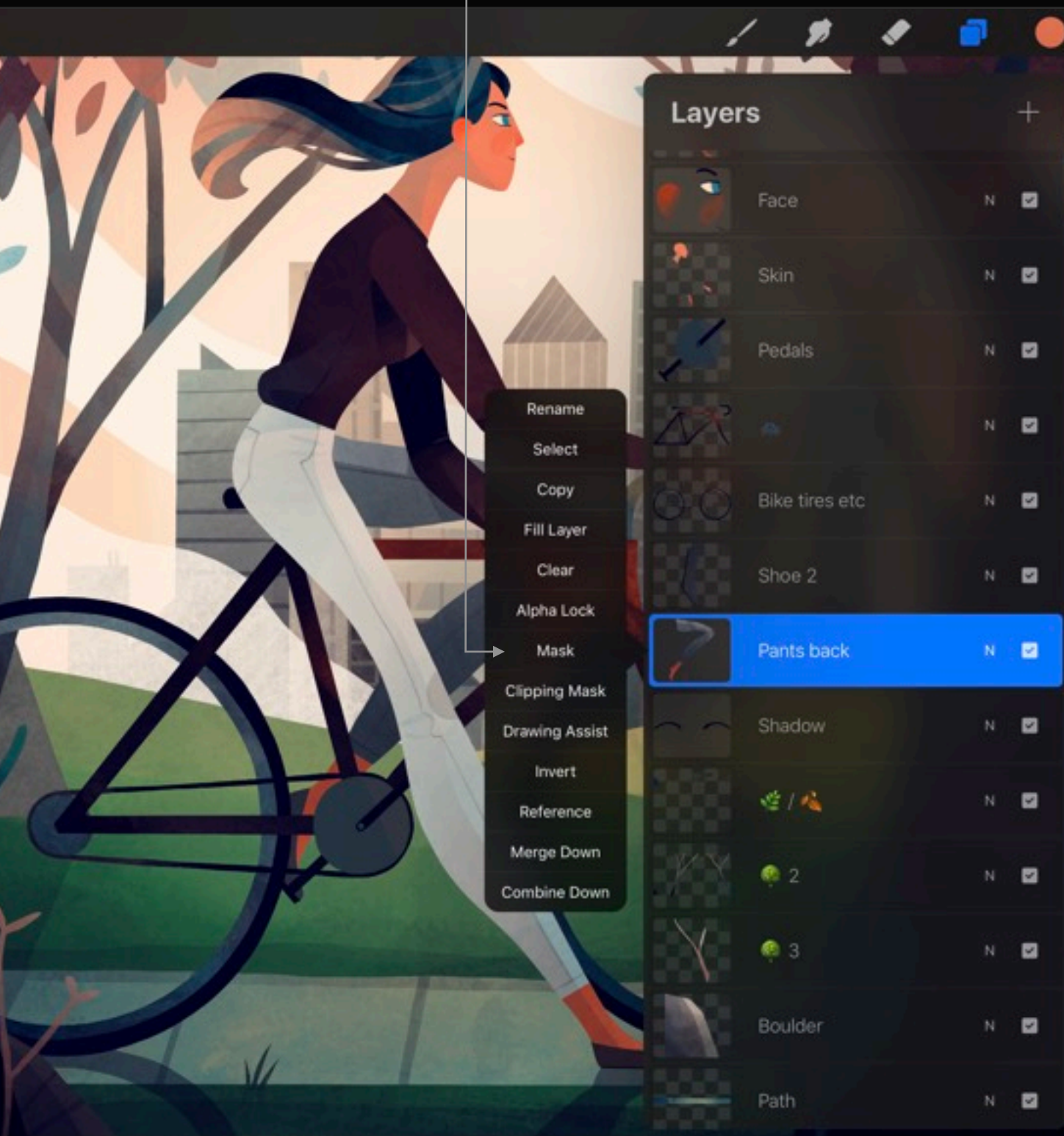


Overview

Masking a layer is a powerful tool for non-destructive experimentation.

You can modify a Layer Mask to hide or show any part of its parent layer without erasing any content. You can also Lock masks, Transform them, or copy their content.

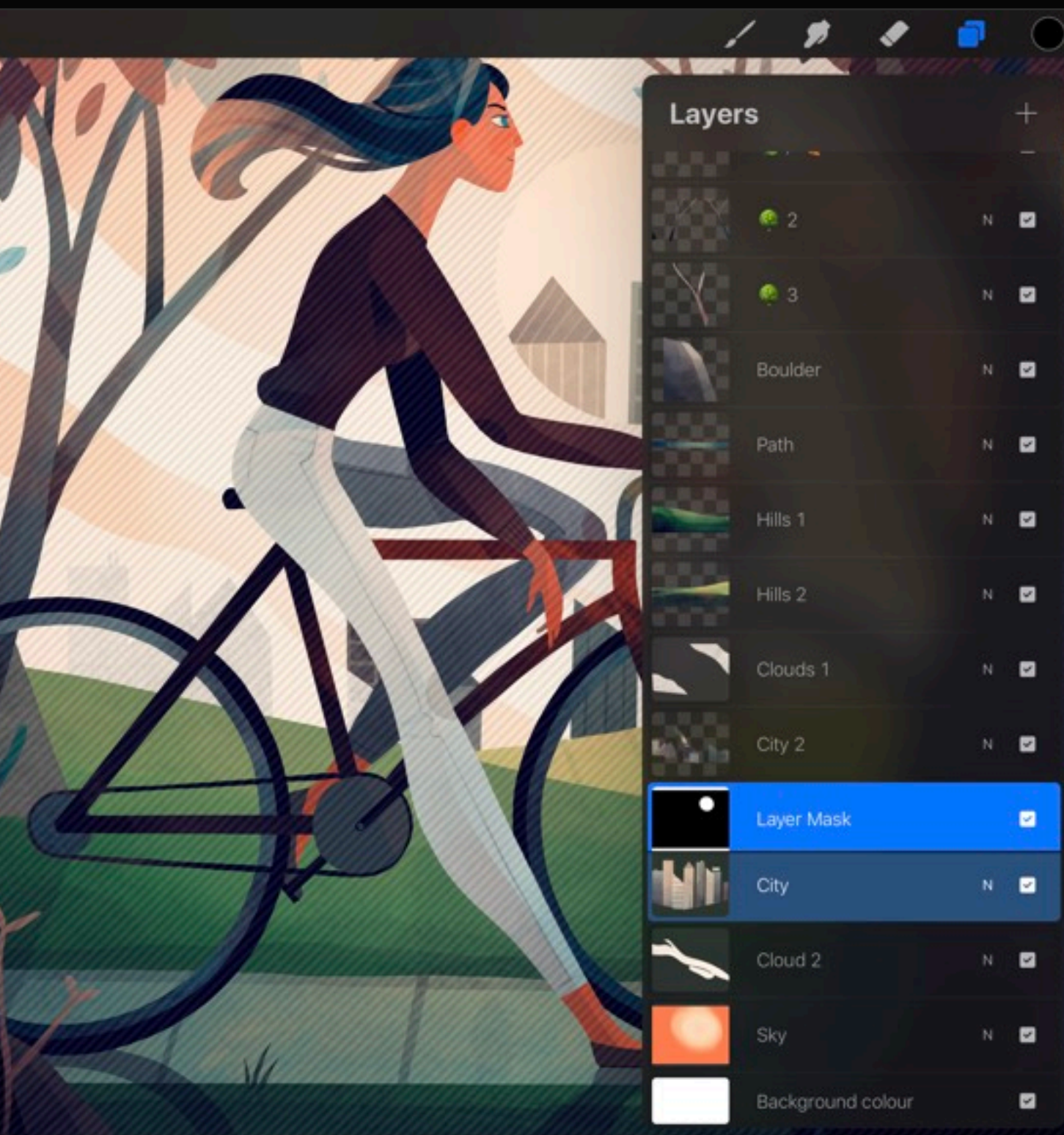
Create Layer Mask



Create a Layer Mask

Mask any individual layer from the Layer Options menu.

Tap your Primary layer to invoke the Layer Options menu, then tap Mask to create a Layer Mask. The Mask will appear above and attached to the selected layer.

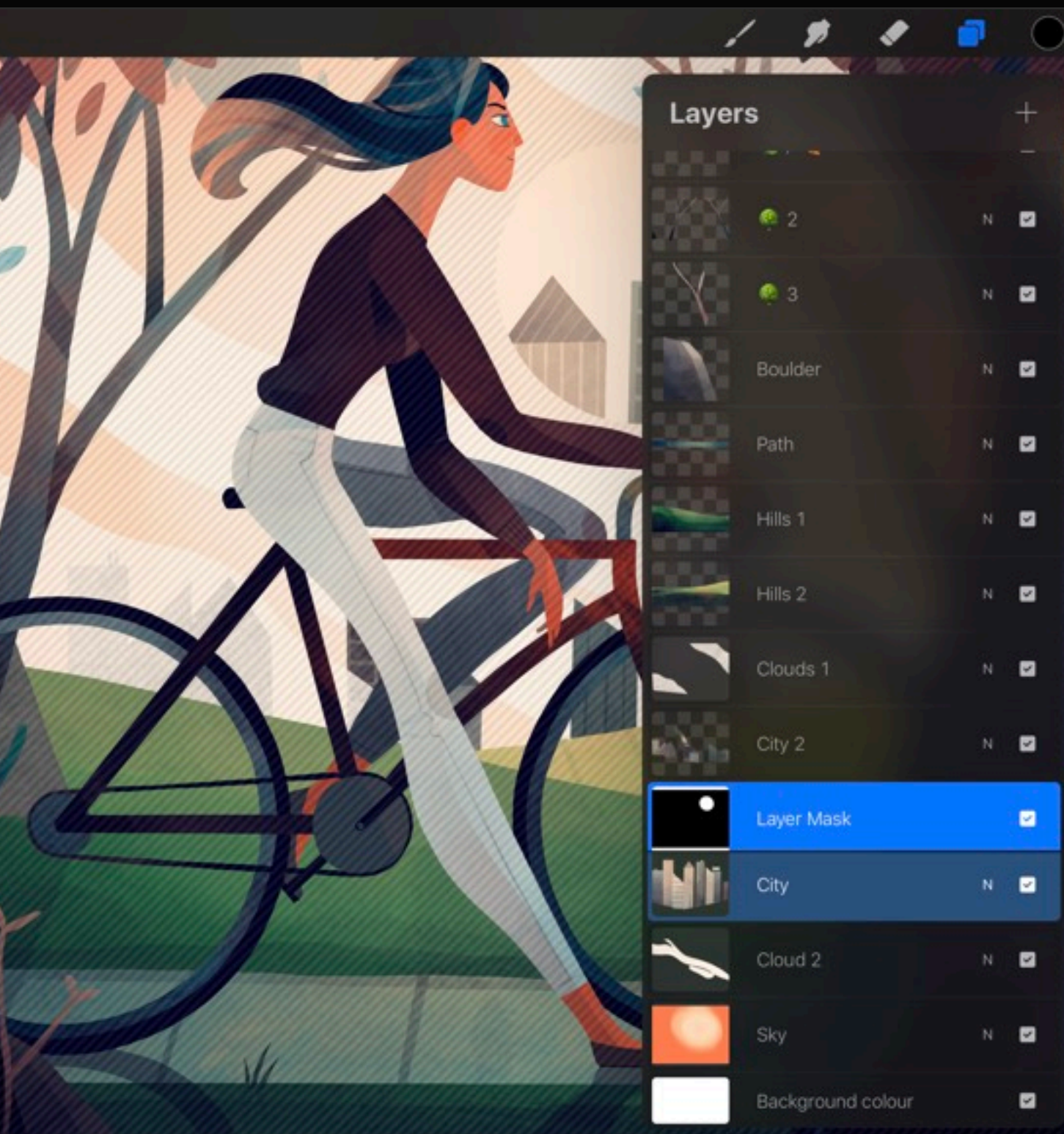


Using grayscale to edit

Use the Eraser or paint in grayscale to edit your Layer Mask.

Layer Masks are edited in grayscale: erasing or painting in black will hide parts of the parent layer by making them transparent, and painting in white will restore them. Varying shades of gray will alter the content with corresponding levels of opacity.

When a Layer Mask is selected as your Primary layer, the color picker will ignore hue when selecting colors, ensuring you always paint on a Layer Mask in grayscale.

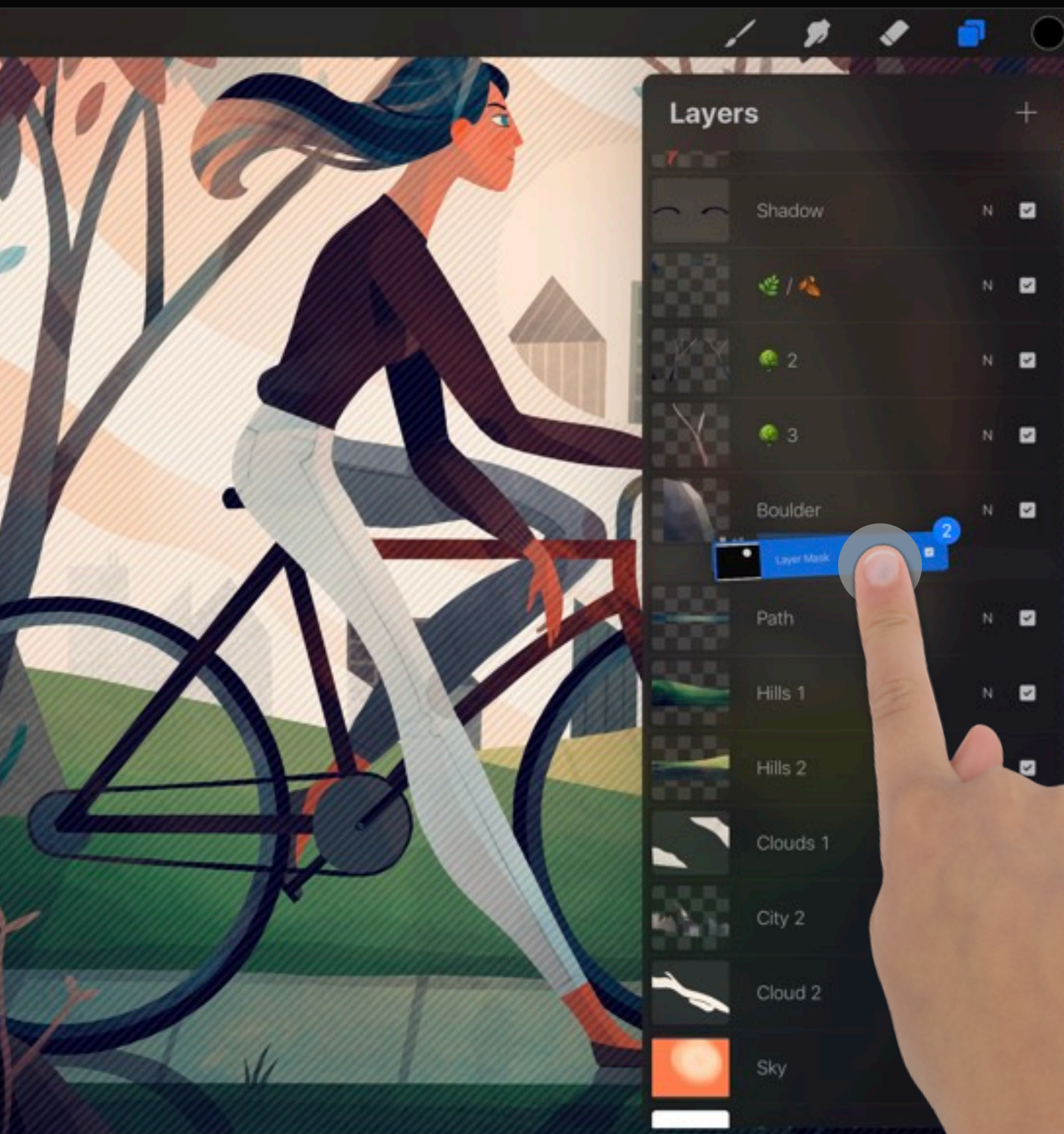


Select mask or layer

Select either the Layer Mask or its parent layer as your Primary for different actions.

When you select a Layer Mask as your Primary, you can use Erase or Paint to edit the mask. Selecting the parent layer as your Primary allows you to modify that layer's content under the mask.

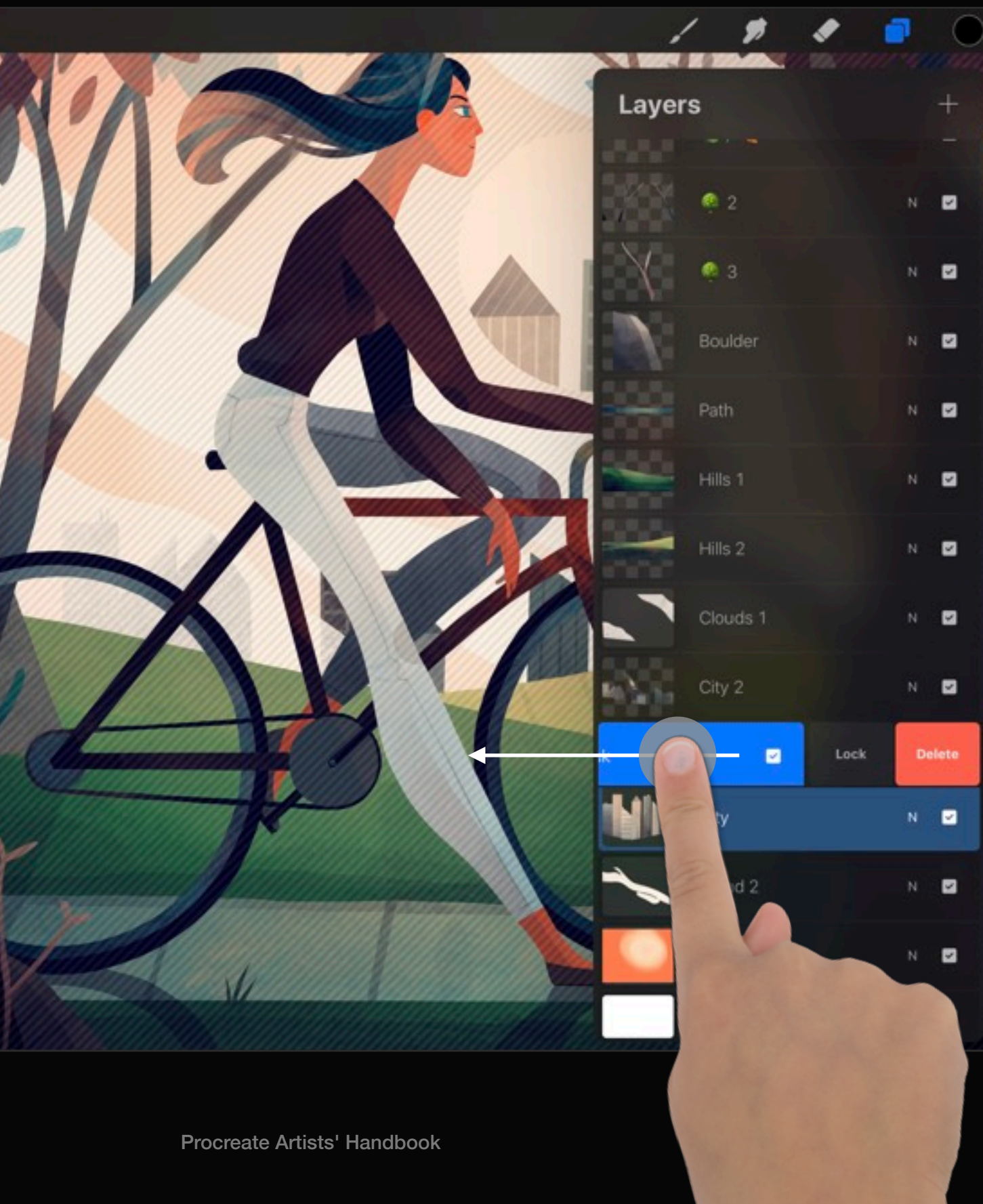
Selecting either the layer or the mask will automatically secondarily select the other of these, allowing you to Transform both at once. If you want to Transform the layer or the mask separately, you'll need to deselect the other item first.



Moving a masked layer

Easily relocate a masked layer without affecting your Layer Mask.

Simply tap and hold on the Layer Mask or its parent layer to pick up both, and move them elsewhere in your Layers menu. The Layer Mask will always be attached to the layer until you merge or delete it.



Deleting Layer Masks

Easily Delete or Lock a Layer Mask at any time.

Swipe left on a Layer Mask to reveal buttons to Lock or Delete it, just like any normal layer. Be careful: just like any other layer, deleting a Layer Mask is final.

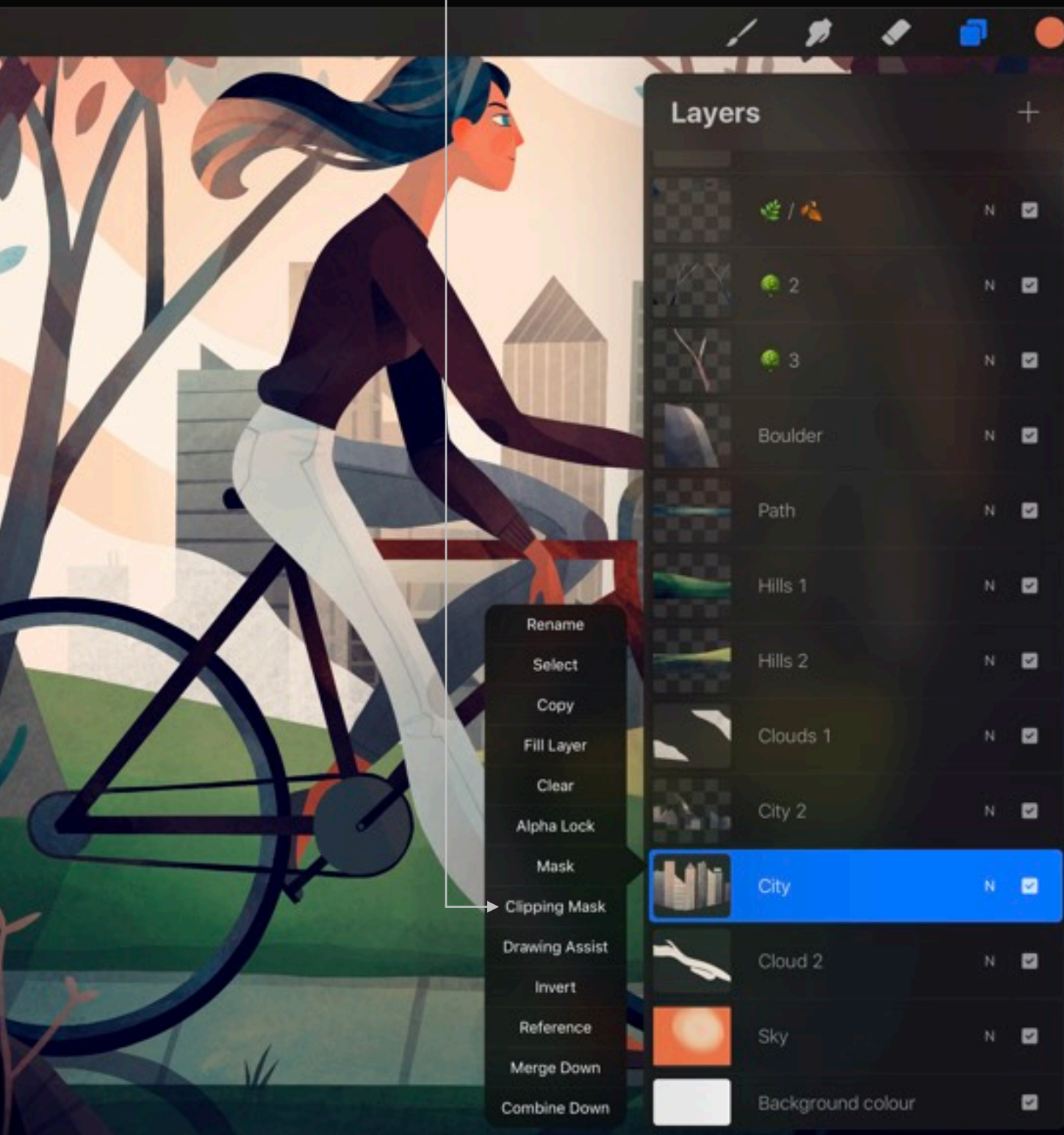
While a Layer Mask doesn't have its own Duplicate button, duplicating a masked layer will create a copy of both the layer and the mask.

Section 6

Clipping Masks

Clipping Masks provide another way to control the visibility of one layer based on the content of another layer.

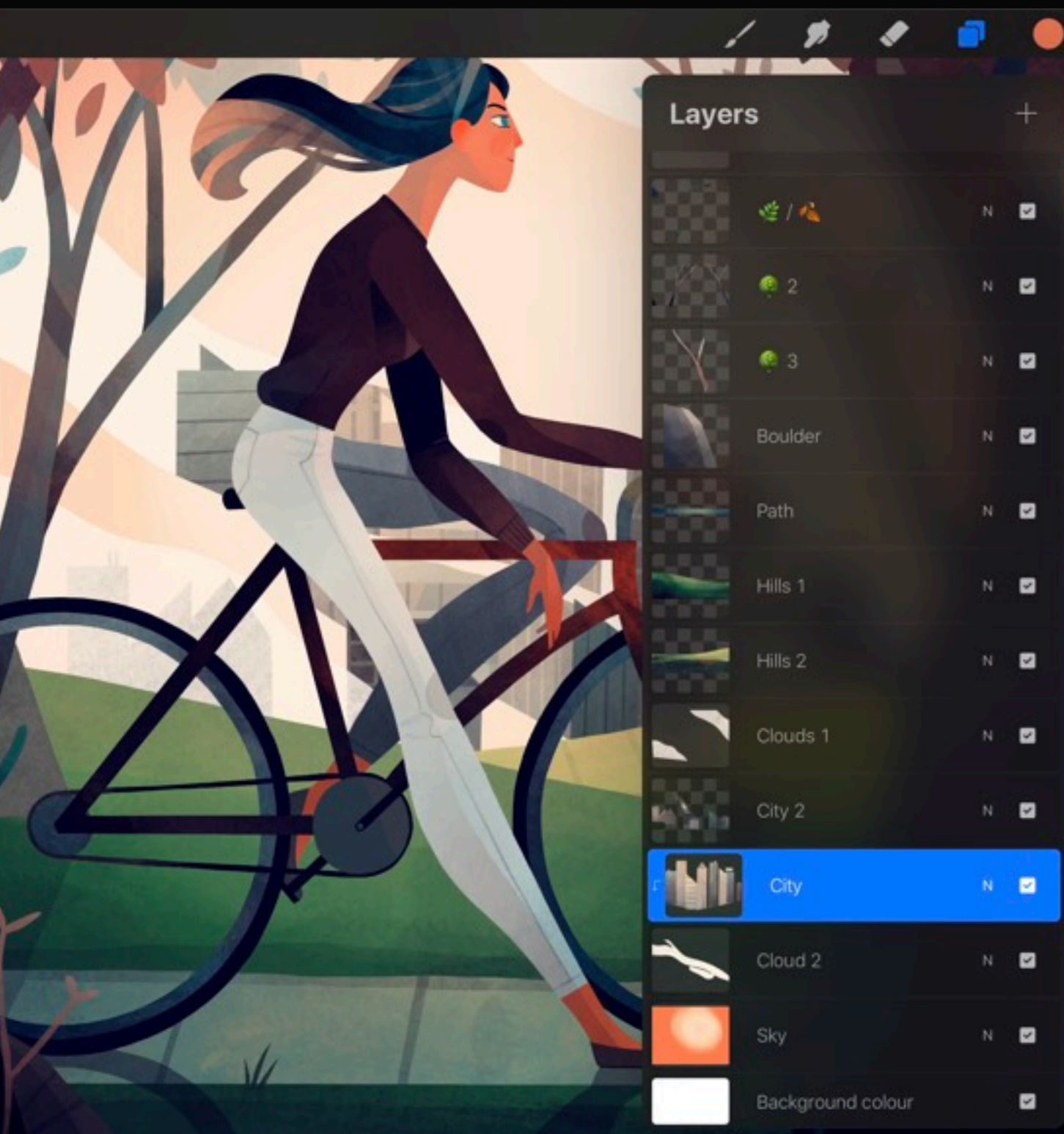
Clipping Mask



Overview

Clipping Masks are another powerful tool for manipulating the visibility of your layers.

When you activate a Clipping Mask, this will clip the layer to the layer below. The visibility of the clipped layer is controlled by the content and transparency of the parent layer below.

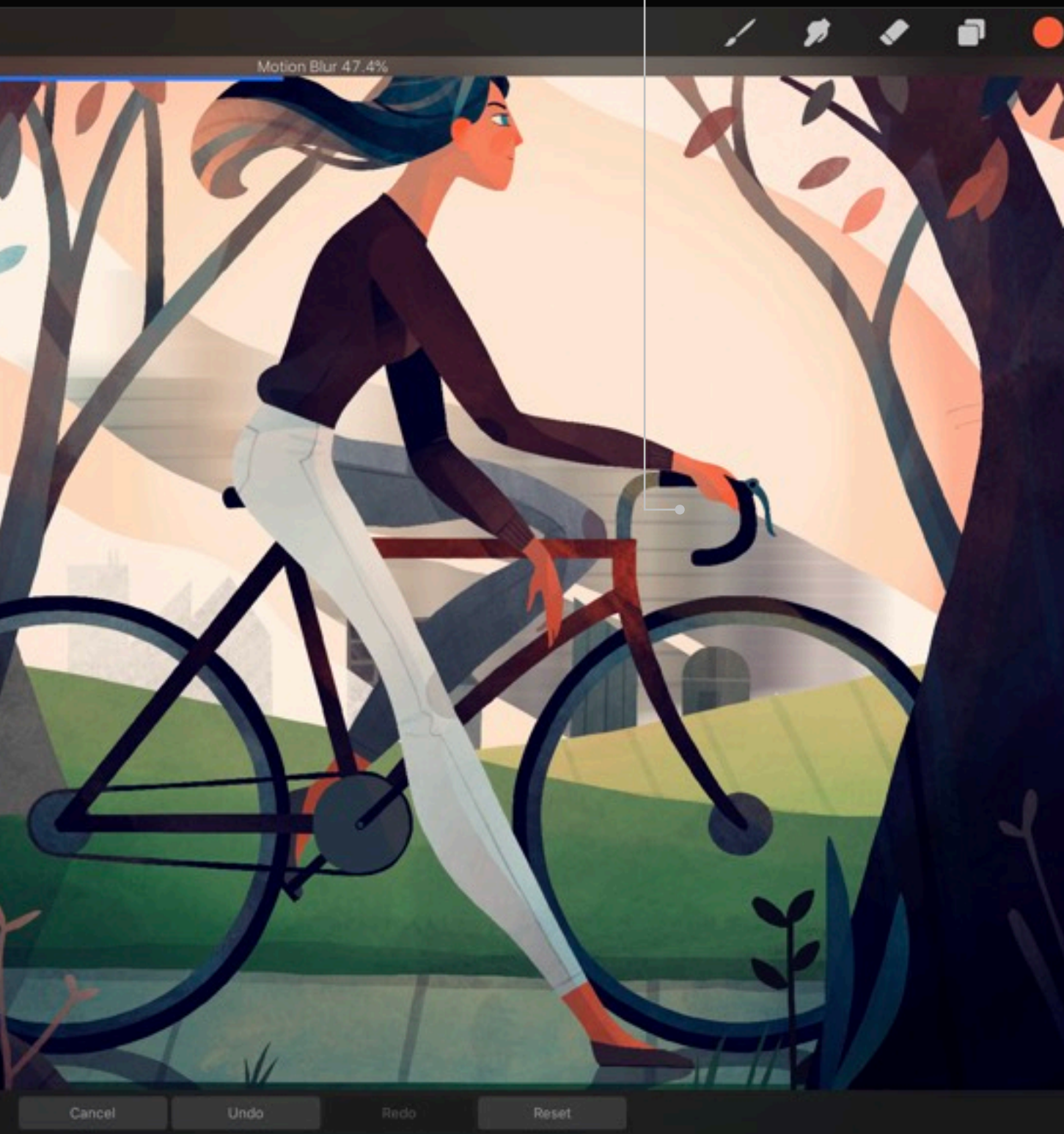


Create a Clipping Mask

Turn any layer into a Clipping Mask from the Layer Options menu.

Tap your Primary layer to invoke the Layer Options menu, then tap Clipping Mask. The selected layer will become a Clipping Mask, clipped to the layer below. If the selected layer is the bottom layer in your menu, the Clipping Mask option will not be available.

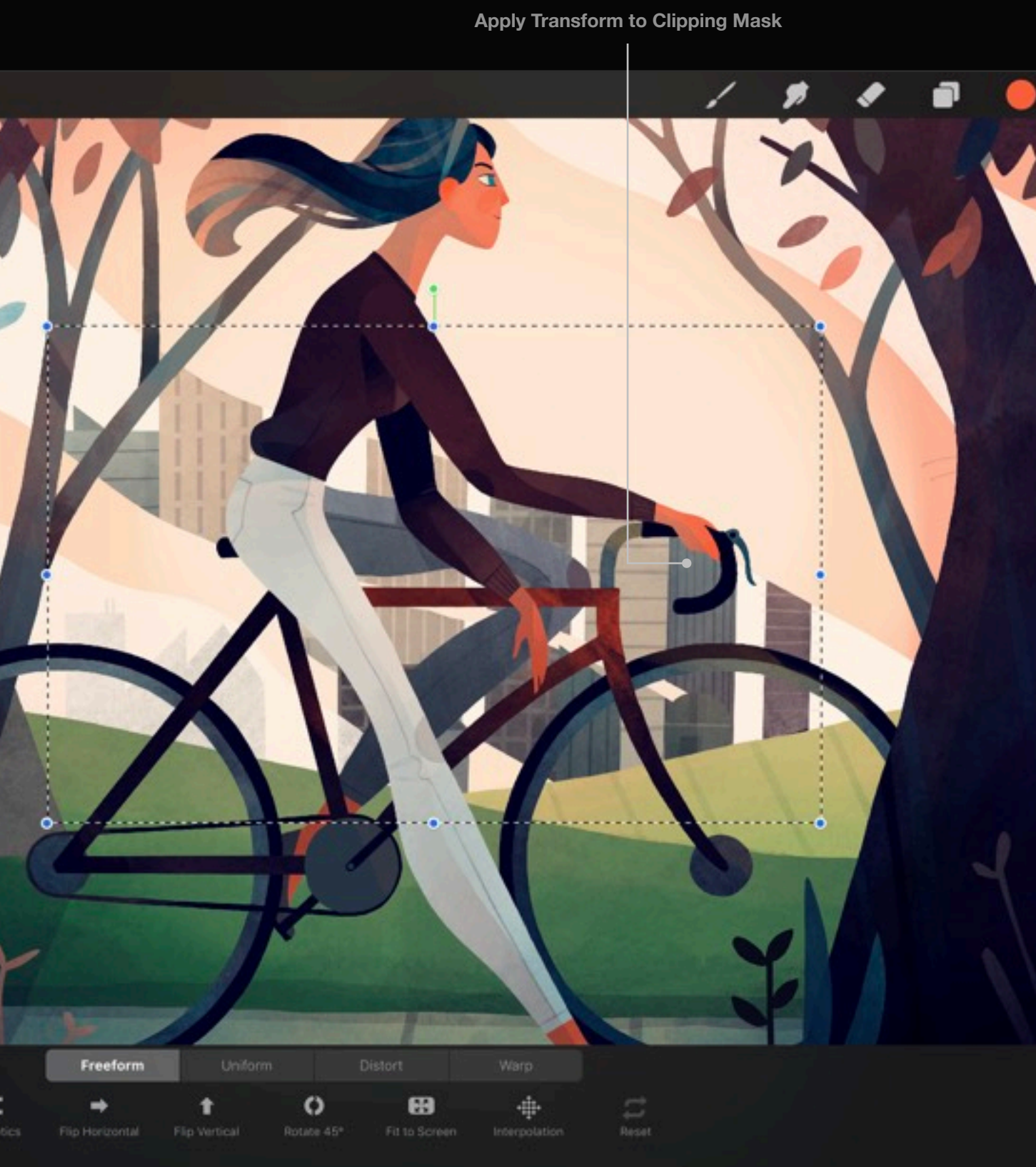
Motion Blur applied to Clipping Mask



Using Clipping Masks

Edit the content on the parent layer to control the visibility of the clipped layer above.

When you clip a layer to the layer below, the content of the clipped layer will only be visible in areas where it aligns with content on the parent layer. In areas where the parent layer is transparent, the clipped layer will be invisible.



Transform and Adjustments

Use Transform, or filters from the Adjustments menu, to further manipulate your Clipping Mask.

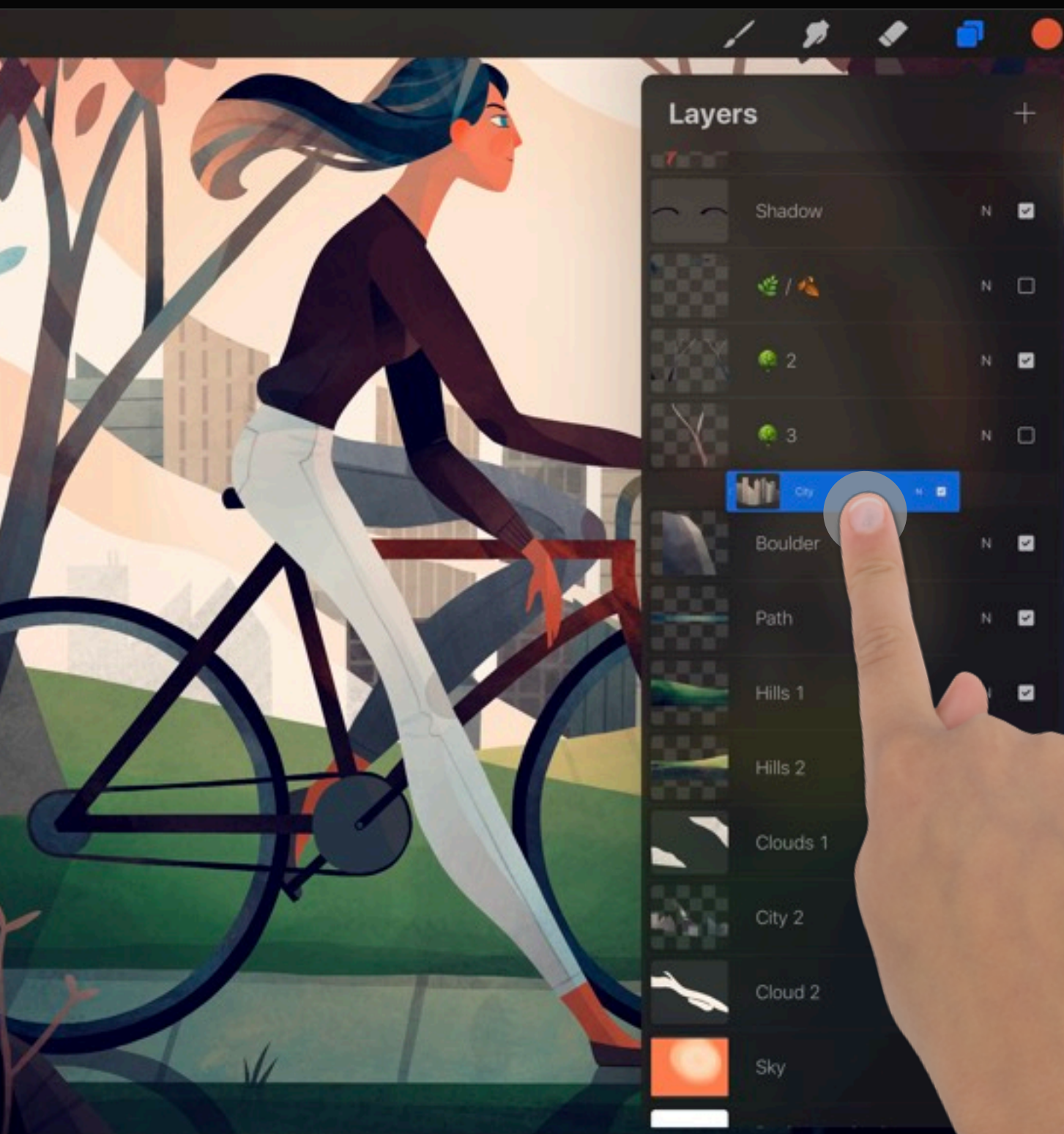
Because the content on the parent layer controls the visibility of the clipped layer, you can use advanced tools to adjust your parent layer for greater control and interesting effects.

Transform

Use the Transform tool to move, scale, or distort the content on your parent layer, changing which parts of the clipped layer are visible.

Filters and Adjustments

Use filters like Opacity, Gaussian Blur, or Liquify to further affect how the content on your clipped layer appears.

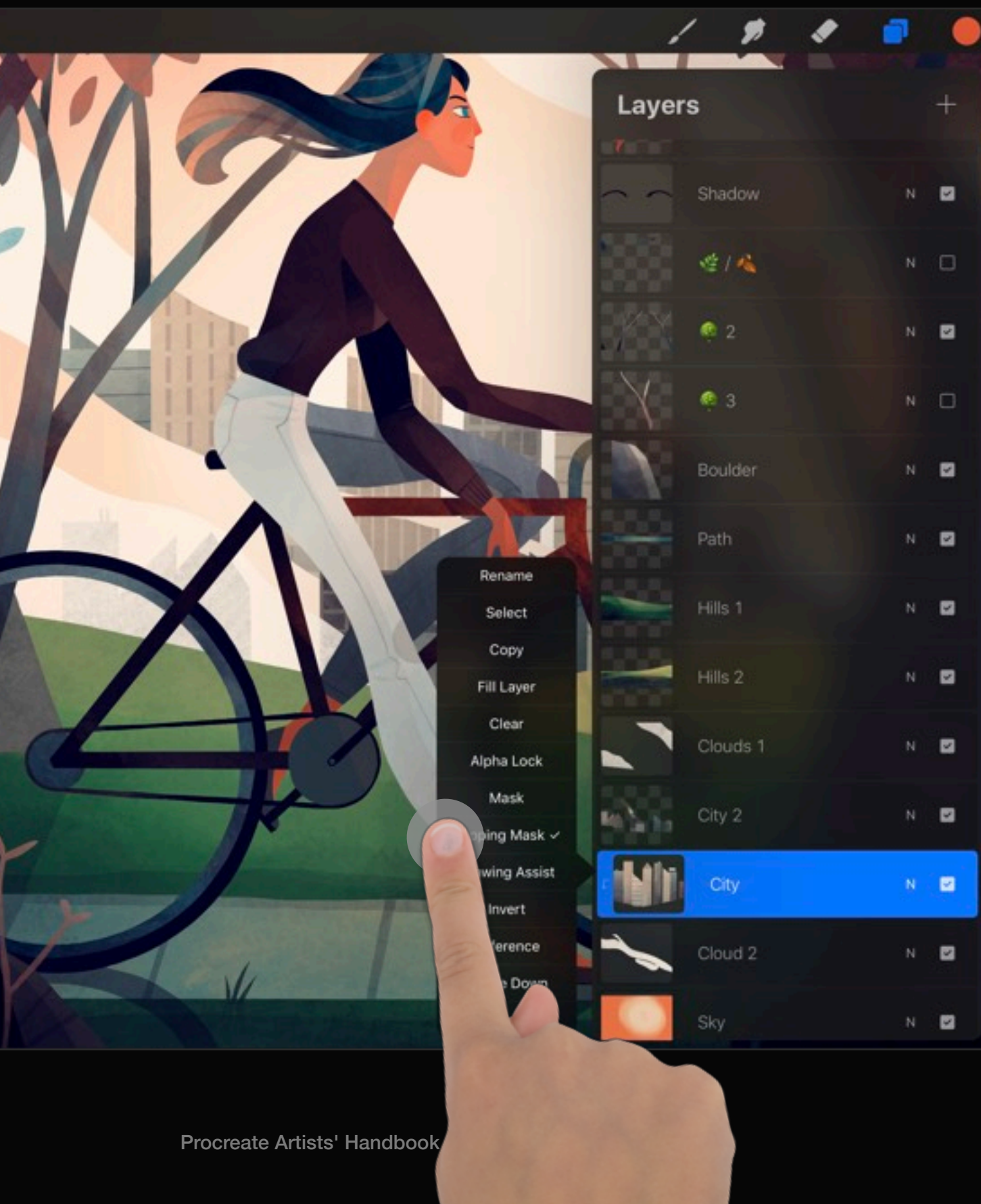


Moving Clipping Masks

Pick up and move a clipped layer to change how the content is affected.

You can independently move a Clipping Mask layer at any time, as with any normal layer. When you move a Clipping Mask layer, it will automatically become clipped to the layer below.

If you move a clipped layer to the bottom of your Layers menu, the Clipping Mask function will automatically be deactivated. Once a layer is moved below that layer, the Clipping Mask function will be automatically reactivated.



Clipping Mask Actions

Lock, Duplicate, Delete, or deactivate Clipping Masks.

Layer Actions

All the same Layer Actions and Layer Options are available for clipped layers as any other layer. Swipe left to reveal buttons for Lock, Duplicate, and Delete.

Deactivate Clipping Mask

To toggle the clipped status of a layer, tap to invoke the Layer Options menu, then tap the Clipping Mask button.

Adjustments

Section 1

Applying an effect

Transform your artwork with professional image effects.

Adjustments menu

Quickly access cinema-quality filters and effects.

Filters

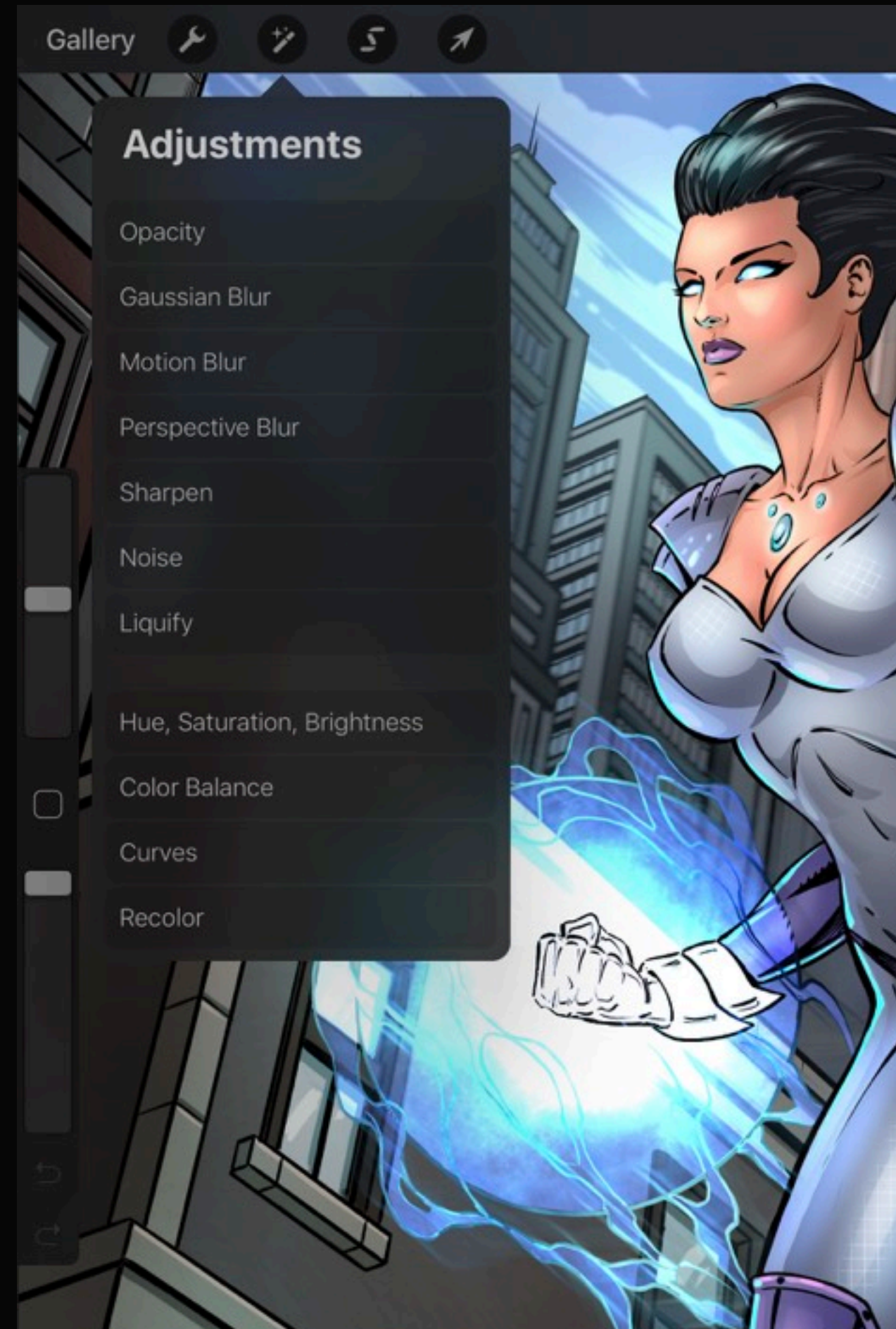
The Adjustments menu is split into two sections. The top section contains seven filters. Tap a filter to activate it, then adjust it using the on-screen gestures.

Adjustments

The bottom section of the menu contains four more complex image adjustments. Select an adjustment from the menu, and use the toolbar at the bottom of the screen (and, for Recolor, onscreen gestures) to apply it.

Pro tip:

All filters and adjustments can be reversed using Undo, but Opacity is the only one that won't permanently affect your artwork.





Adjust opacity

The opacity percentage determines the amount the layer obscures or shows the layer beneath it. Layer opacity is an invaluable effect for compositing.

Adjust layer opacity

Making sure you have the correct layer selected, choose Opacity from the Adjustments menu.

To make the layer more transparent, slide from right to left across the screen. This will adjust the opacity of your Primary layer, or the contents of any active selection on that layer.

Unlike other adjustments, Opacity is non-destructive. This means you can adjust the transparency of a layer whenever you like, however many times you like.

Pro tip:

You can also adjust the opacity level of a layer by tapping that layer with two fingers in the Layers menu.

Gaussian Blur percentage



Gaussian Blur

Gaussian Blur can be used for smoothing, creating depth-of-field effects, making shadows, and much more.

Blur a layer

Tap the desired layer, and then select Gaussian Blur from the Adjustments menu. To increase the strength of the Gaussian Blur, slide across the screen from left to right.

Pro tip:

For precision effects, slide your finger across the screen slowly. Slower speeds will be more accurate while higher speeds will rapidly increase the strength of effects.



Motion Blur

Motion Blur adds an effect similar to a traditional film camera with a low shutter speed being panned quickly. Use it to add a feeling of velocity to your artwork.

Add Motion Blur

Making sure you have the correct layer selected, choose Motion Blur from the Adjustments menu.

To increase the strength of the Motion Blur, slide across the screen away from your starting point in any direction. The blur will follow the direction of your gesture.

To reduce the strength of the blur, slide back toward your starting point.

Vanishing point disc



Perspective Blur

Perspective Blur produces a blur that emanates from a single point and radiates outwards. It can mimic the rapid zooming of a low shutter speed camera, and other speed-based effects.

Pro tip:

Apple Pencil can control the vanishing point, direction and focus of the blur by tilting and rotating while dragging the disc. Drag the disc outside the bounds of the canvas for even more extreme blurs.

Positional Perspective Blur

You can control the amount of the blur by dragging from left to right.
Move the vanishing point by dragging the disc.

Move disc
to move
vanishing
point



Directional Perspective Blur

Tap the Directional Disc button to focus the blur direction. Drag the Directional Disc arrow to target the blur, and drag outwards to focus the blur more tightly.

Directional
Disc





Sharpen

Sharpening a layer will create sharp transitions between light and dark areas. Use Sharpen to make things feel in focus.

Sharpen a layer

Make sure you're on the correct layer, and then select Sharpen from the Adjustments menu. To increase the Sharpen strength, slide across the screen from left to right.



Noise

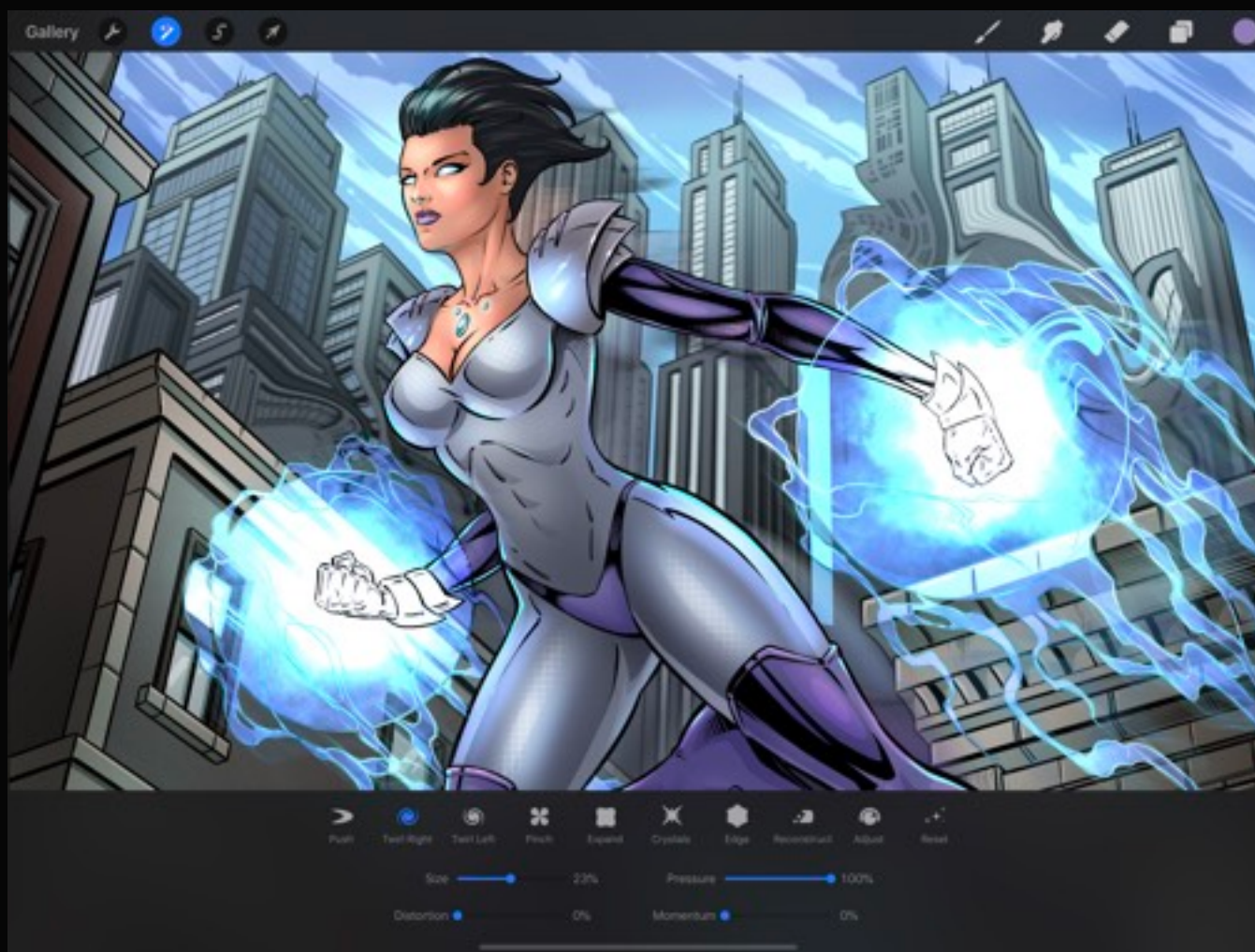
Noise randomizes the brightness and color information of pixels.

Add Noise to a layer

With the correct layer selected, tap Noise from the Adjustments menu. To increase the strength of Noise, slide across the screen from left to right.

Pro tip:

Experiment with blend modes to enhance images. Try increasing image contrast by using a combination of Noise and blend modes, or have some fun recreating analogue film grain effects.



Liquify

Liquify manipulates the pixels of a layer in five different ways.

Choose a mode

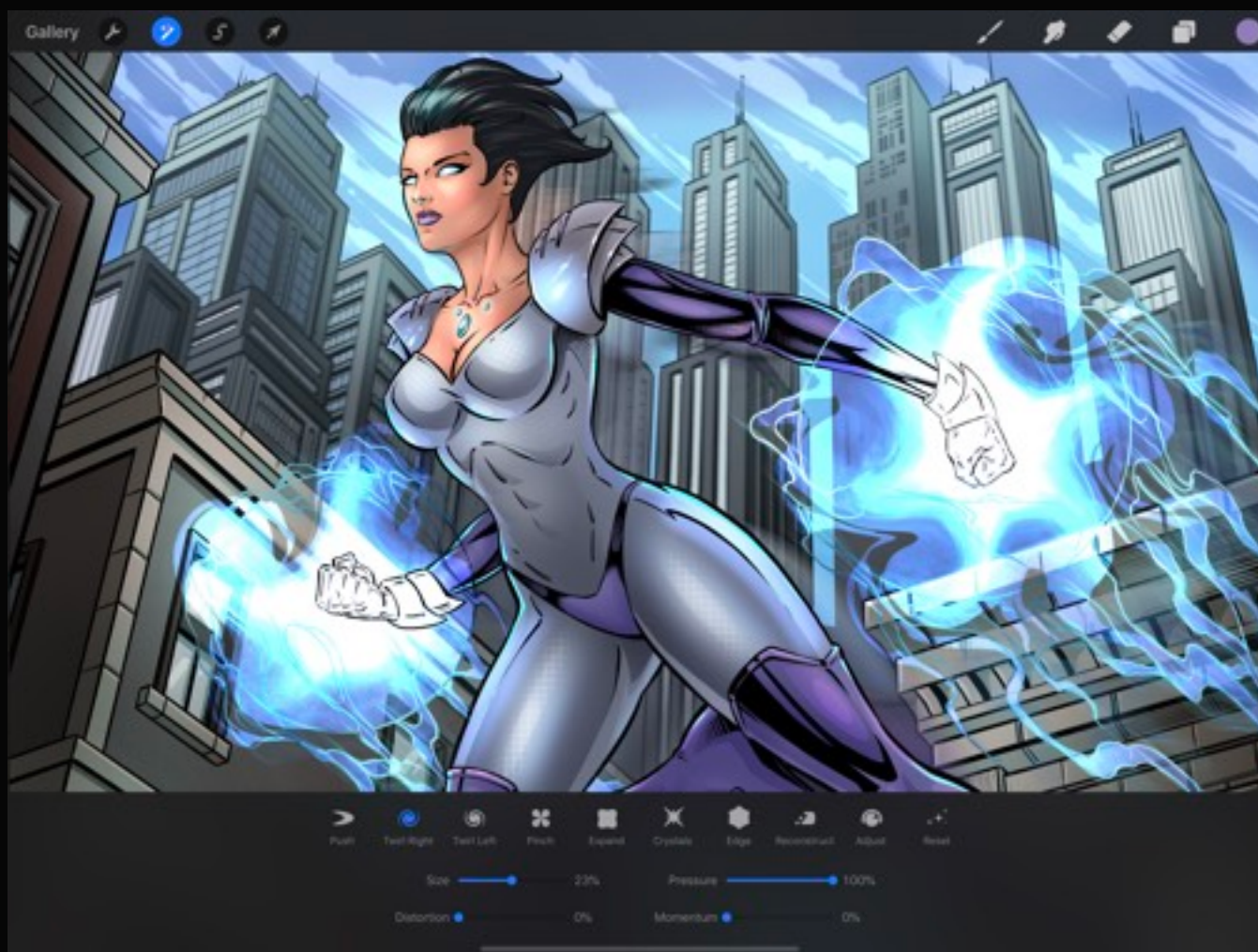
Modify your layer with Push, Twirl (clockwise or counter-clockwise), Pinch, Expand, Crystals, and Edge. Use Reconstruct to reverse your changes in a specific area, or tap Reset to roll back all your changes at once.

Use Apple Pencil pressure

Vary your pressure with Apple Pencil for exact control over the effect you're applying. Adjust the Pressure slider to control the maximum strength you can apply with Apple Pencil. Using Liquify with a finger will always apply an effect at the current level of the Pressure slider.

Pro tip:

Use Liquify on multiple layers at once, or use it with Symmetry for incredible effects. Learn more about Symmetry on page 414.



Pro tip:

Use Liquify on multiple layers at once, or use it with Symmetry for incredible effects. Learn more about Symmetry on page 414.

Liquify Dynamics

Use the four sliders to control the effect of your Liquify brush.

Size

Just like your Brush Size slider, this controls the size of your Liquify brush.

Pressure

The Pressure slider value determines the effective pressure applied with a finger, or the maximum reachable pressure with Apple Pencil. More pressure means a stronger effect.

Distortion

Liquify Distortion introduces chaotic elements into your effects. At higher Distortion values Push gains waves of wake behind your stroke, Crystals become jagged spikes, and Twirls are nested tempests.

Momentum

The higher your Momentum, the more your effect will continue after you lift off the canvas.



Strength slider

Liquify Adjust

Tap the Adjust button for even more control.

Adjusting your effect

Once you've made some changes with Liquify, the Adjust and Reset buttons will become available. Tap Adjust to reveal the Strength slider. Drag the slider to the left to reduce the strength of the effect you've already applied.

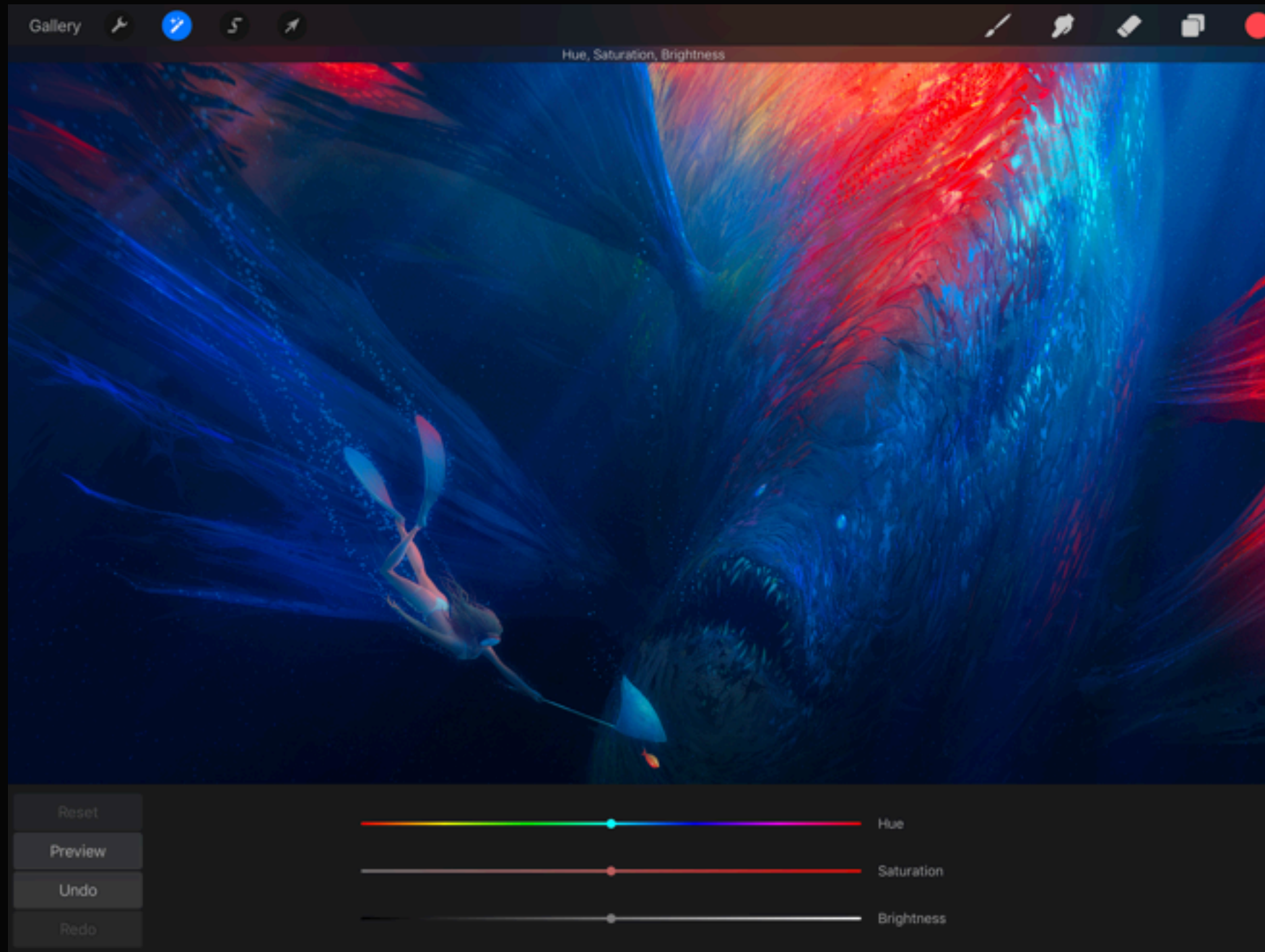
Section 2

Enhancing an image

This section will help unlock the power of advanced image adjustments such as HSB, Color Balance, and Curves.

Hue, Saturation, Brightness

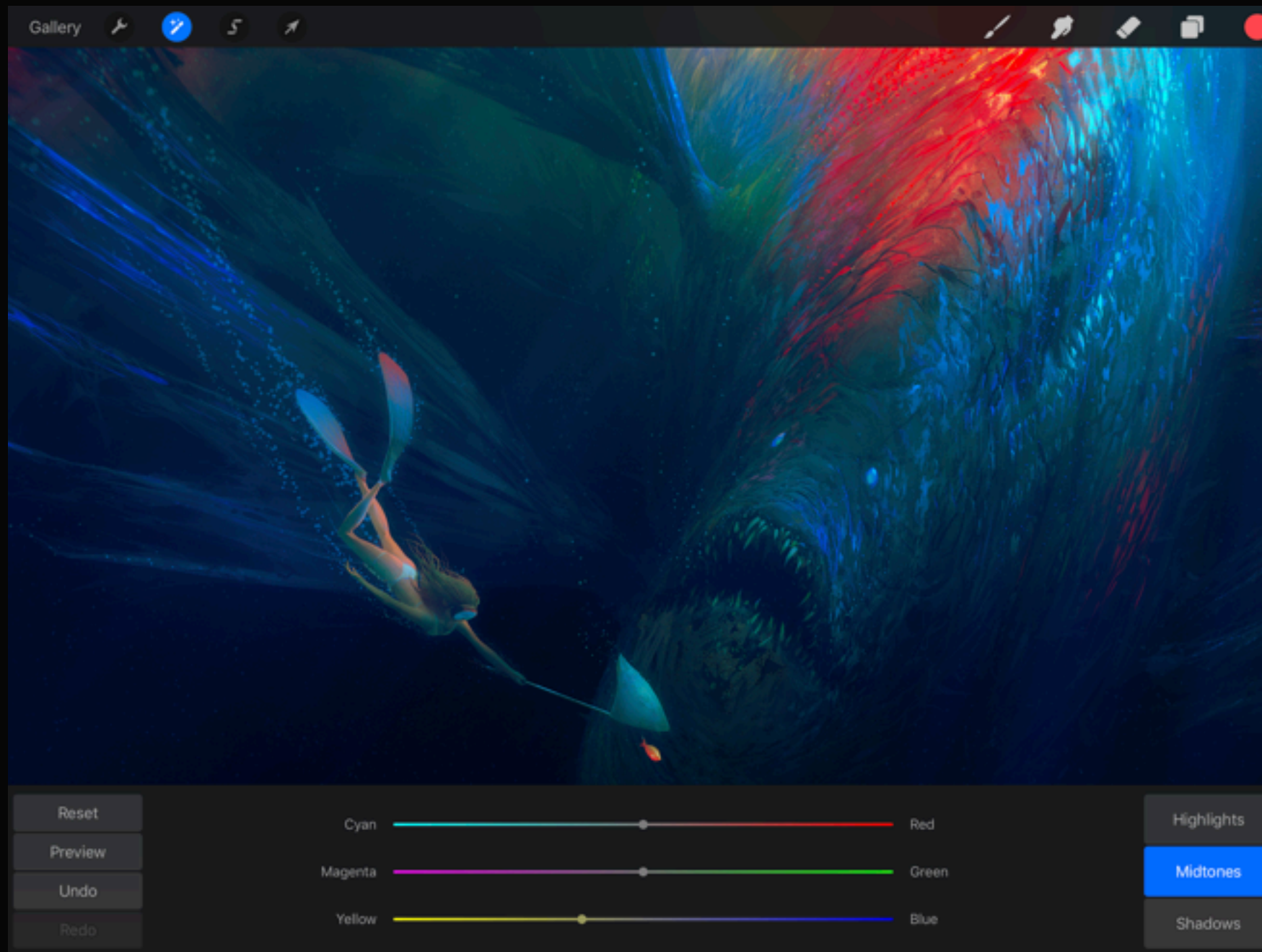
HSB allows you to adjust the hue, color strength, and brightness of any given layer.

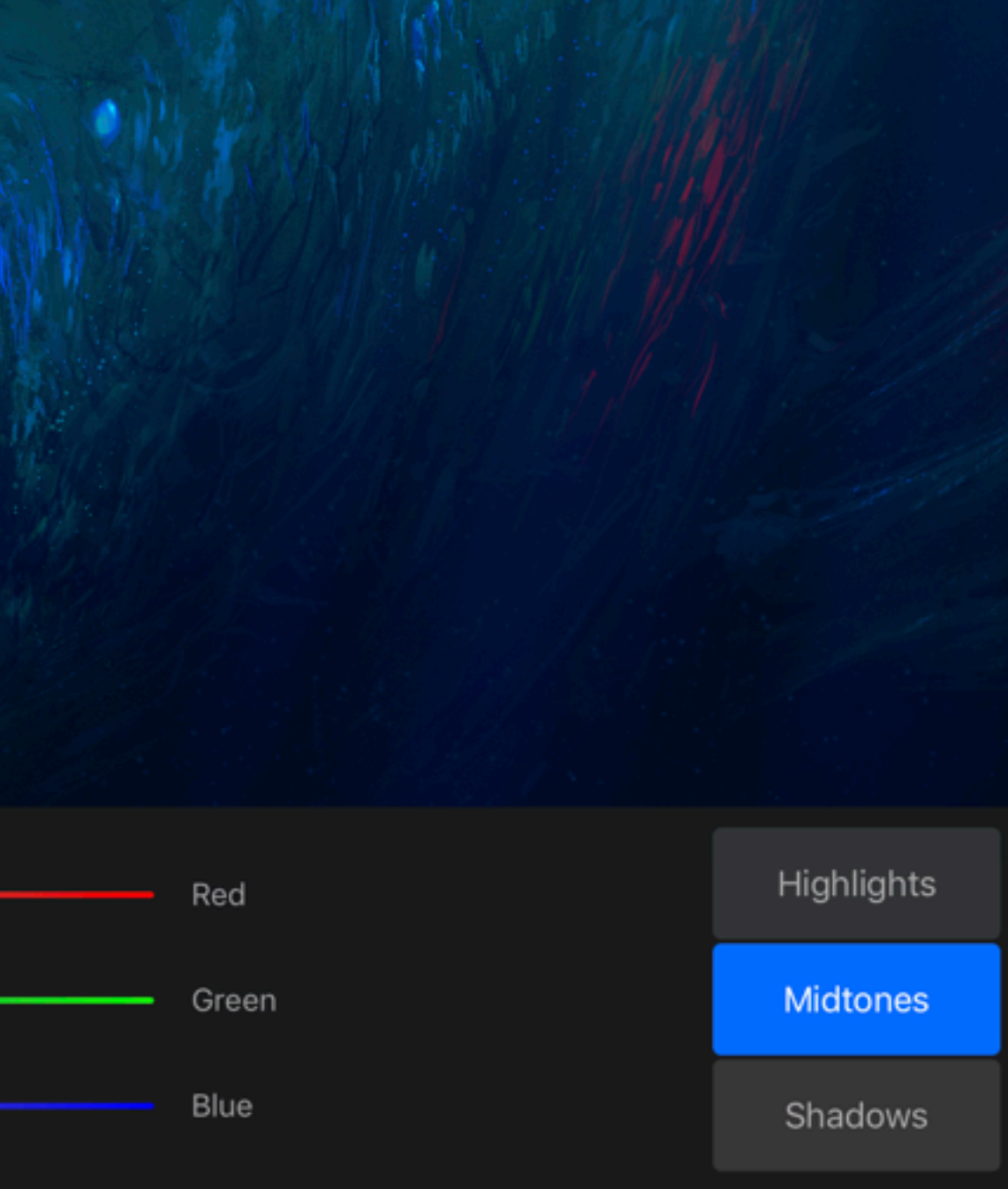


Color Balance

Color Balance can be used to correct or stylize images.

Colors in digital form are made from three primaries: red, green, and blue. This is very different from traditional media, because you're dealing with light as opposed to pigments. The right extremities of the bars show red, green, and blue. The left extremity shows the opposite color for each of these primaries. Sliding in one direction will make the overall layer shift toward that color value.





Fine-tune color

Finely adjust the tonal values of your artwork by using Color Balance modifiers.

Highlights

Highlights will adjust the lighter levels in the layer.

Midtones

Adjusting the middle tones of a layer is the best way to achieve a fairly even adjustment. Midtones are selected by default.

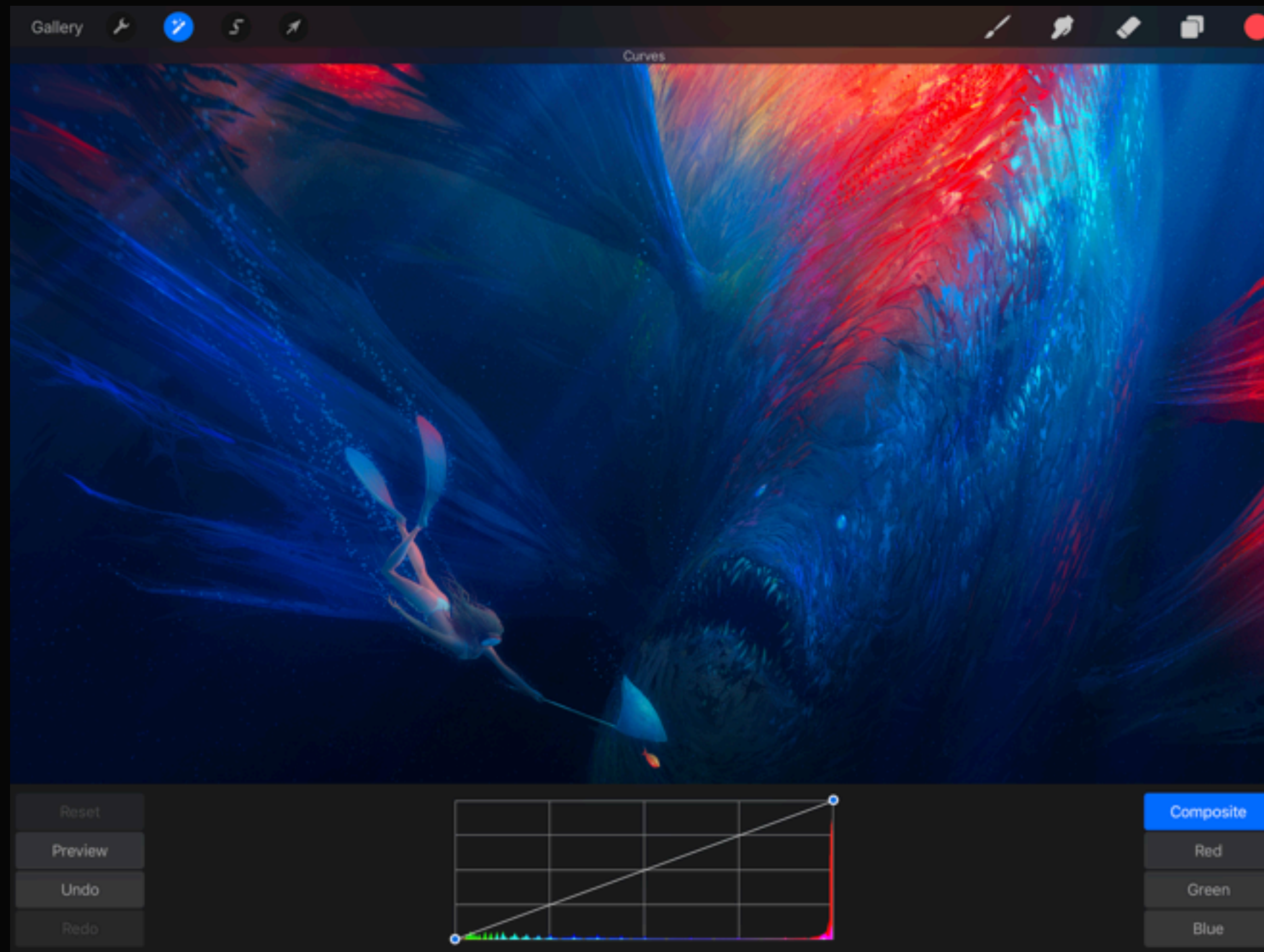
Shadows

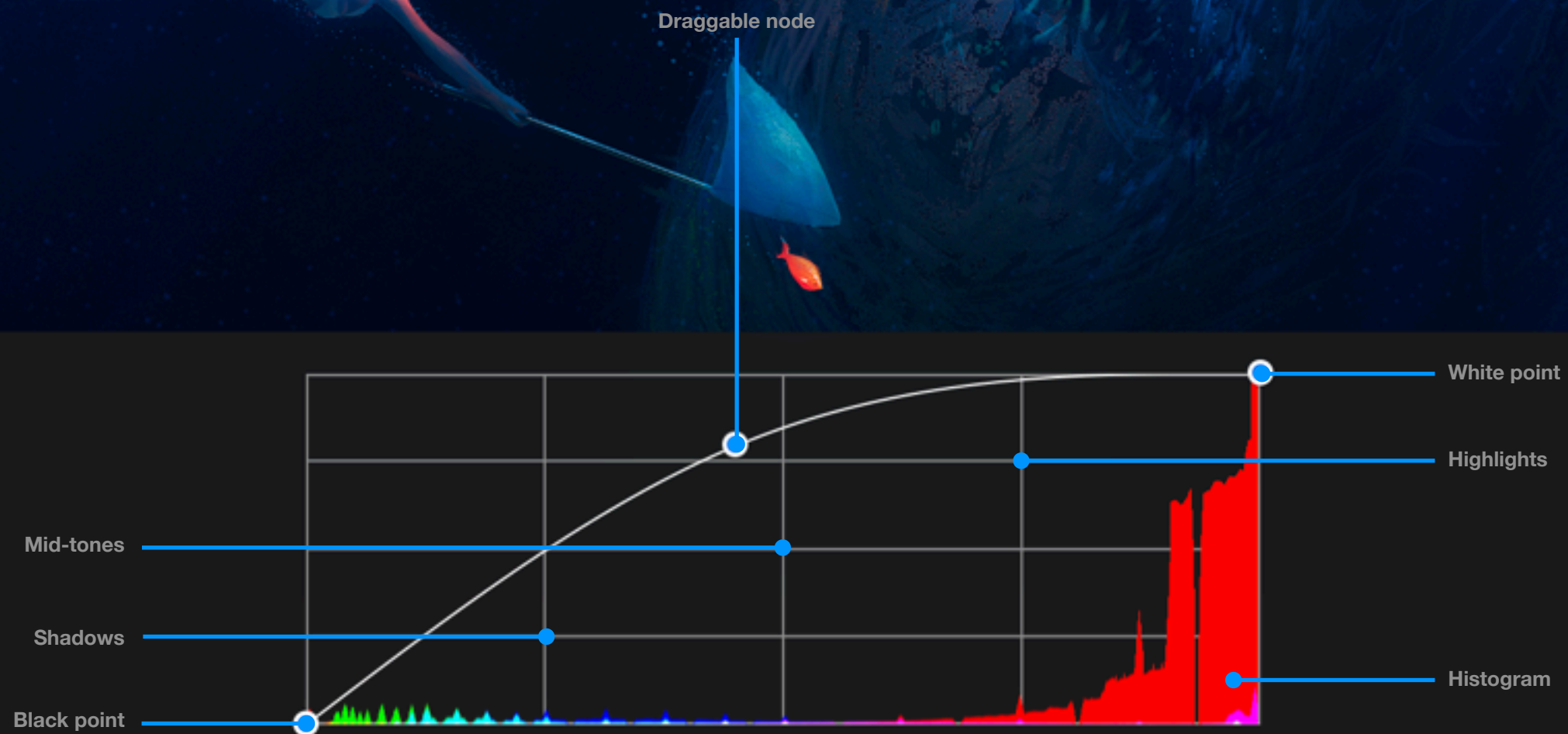
Tapping Shadows will allow you to adjust the colors of the darker areas of a layer.

Curves

The tonal curve is probably the most powerful adjustment.

The layer tonal values are represented as a straight line on the grid. Moving a node in the top area of the grid will adjust the highlights of your layer. Moving a node in the centre of the line will adjust the midtones and moving a node in the bottom section will adjust darker areas of your layer.





Manipulating curve points

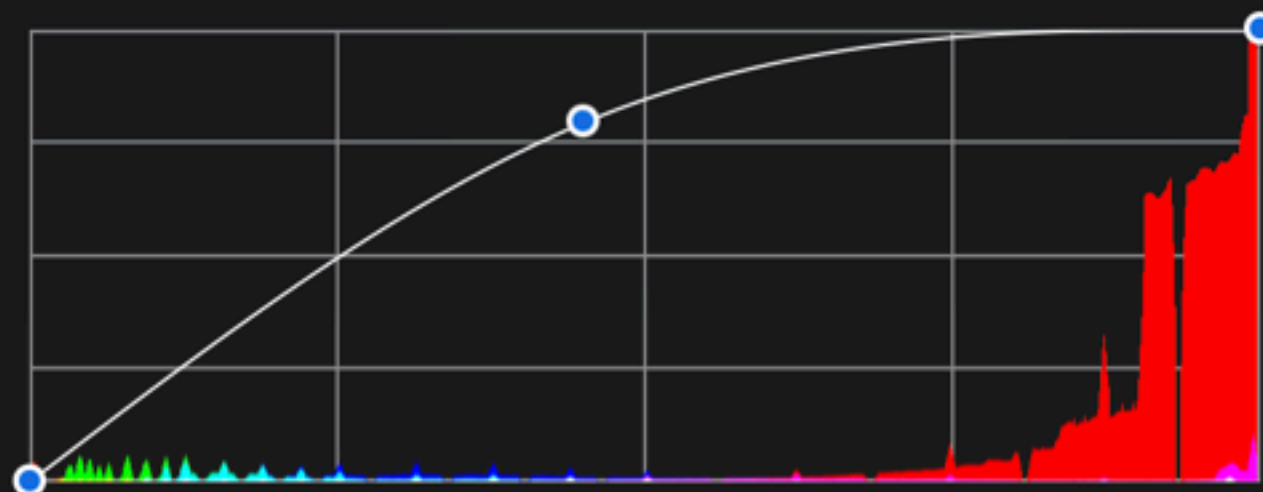
Tapping anywhere inside the grid will create a node which will bend the curve.

Dragging a node up will affect the lightness of your layer. Dragging a node down will affect the darkness of the layer.

Likewise, dragging a node left or right will decrease or increase contrast. You can create up to 11 nodes, so try experimenting by bending a few curves and watch what happens to the layer!

Pro tip:

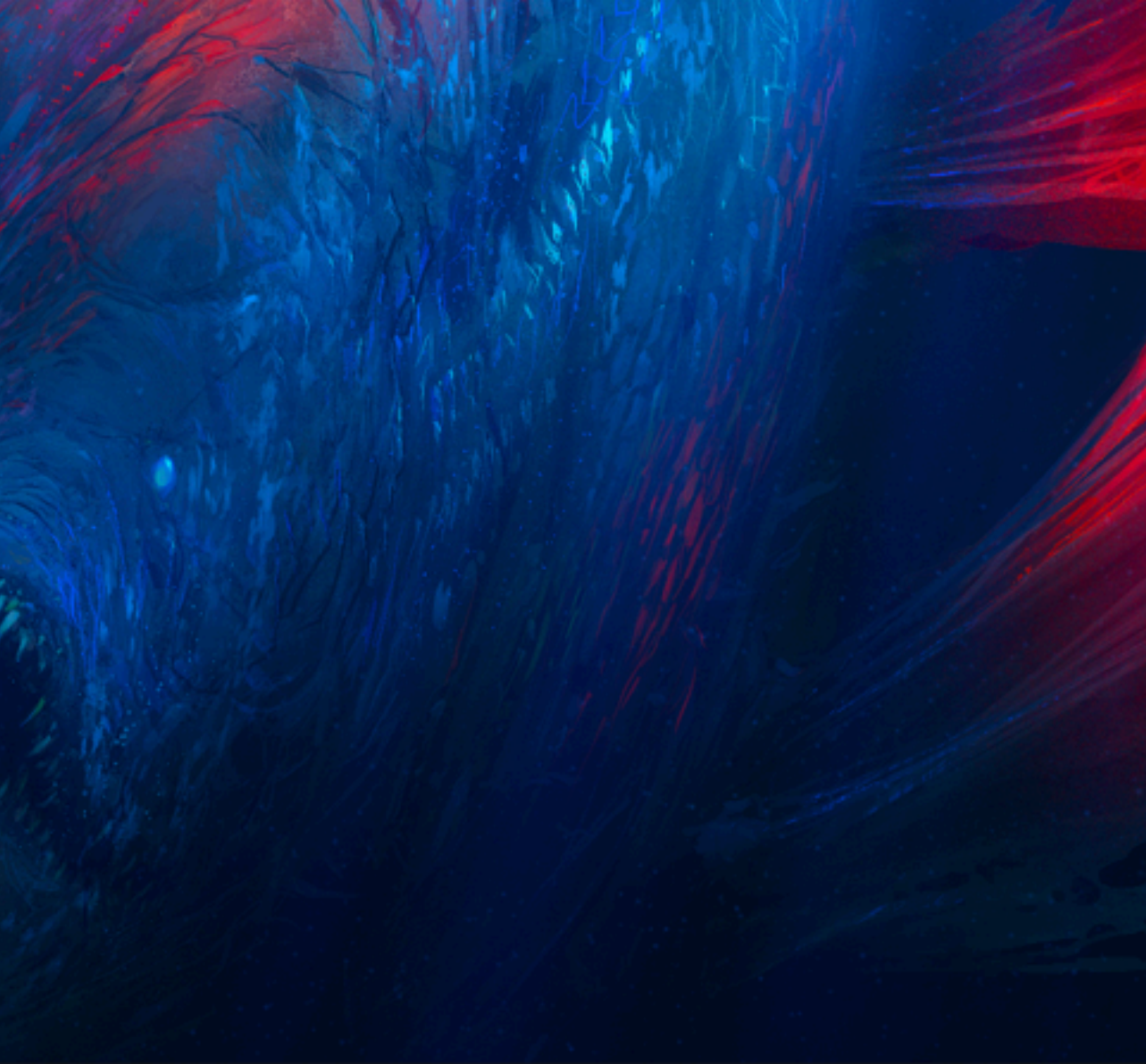
Tap a node to reveal the option to delete it.



Understanding the Histogram

See exactly how your curves are affecting the color in your image.

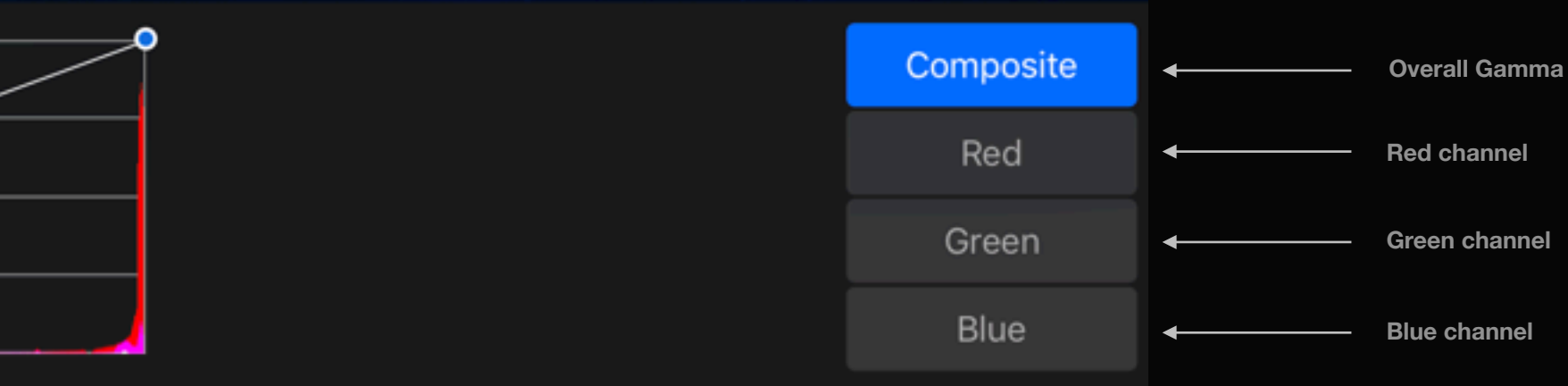
The histogram is an RGB graphical representation of the color in your image. The colors in the histogram show the levels of activity for each channel: red, green, and blue. Different colors indicate the channels overlapping: white means all three channels are active.



RGB channels

Unlock the power of curves by isolating the RGB channels of your layer.

With Procreate, you're not limited to adjusting the overall gamma. You can also adjust layers by editing the Curves on the red, green, and blue channels independently. Making a Curve adjustment to each color channel allows practically limitless varieties of color corrections and effects.



Recolor

Quickly and conveniently change areas of color with a live preview.

Recolor is a great way for graphic artists to tweak specific areas of color without the hassle of erasing and re-cutting into existing shapes. Recolor works best on flat colors.



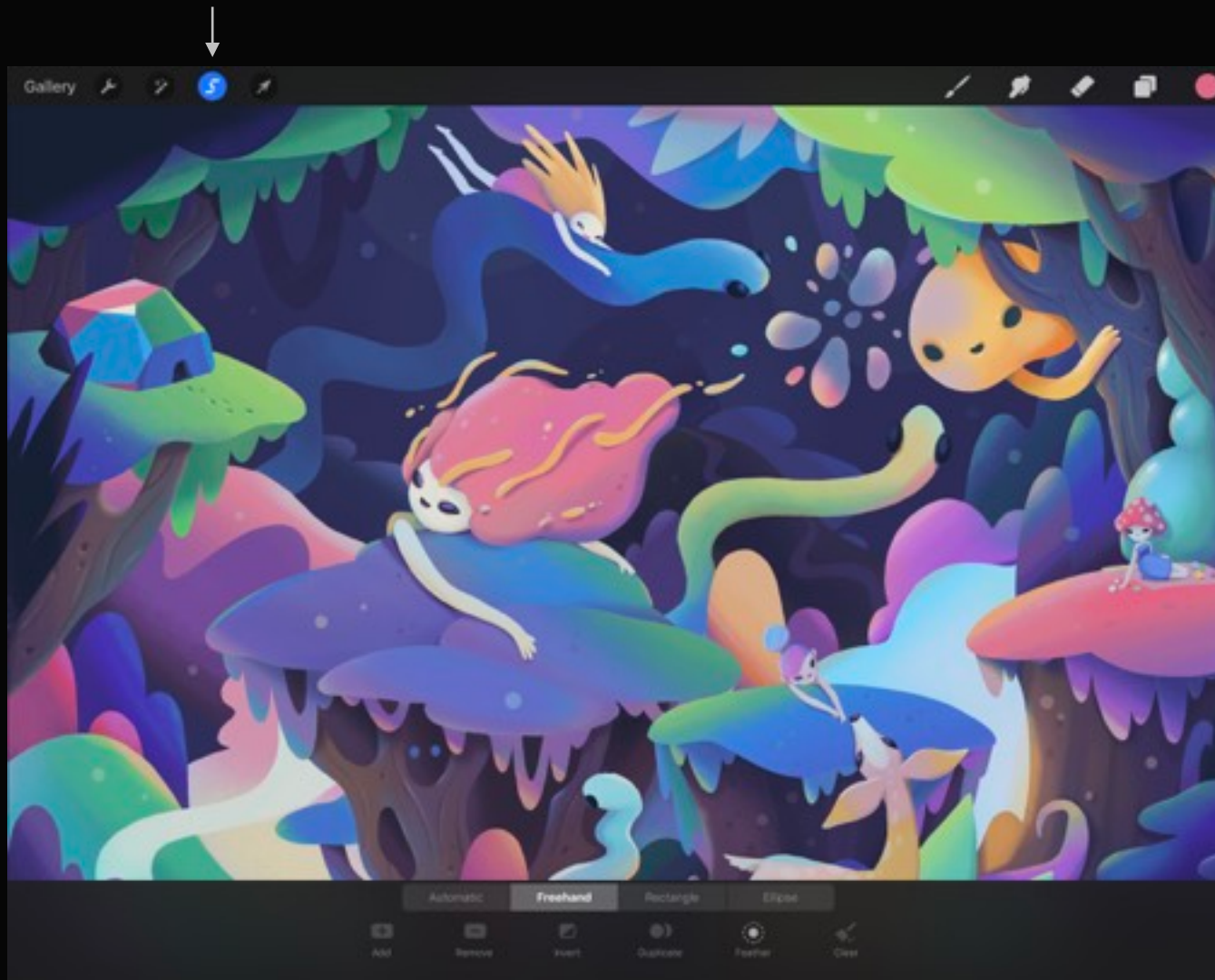
Selections

Section 1

Selection Overview

Procreate's Selection tools include four versatile selection methods and advanced options to give you the control you need.

Selection mode ON



Enabling Selection mode

As soon as you tap the Selection button, Selection mode becomes active and the button glows blue.

Freehand Selection will be active by default. Tap one of the other selection modes in the bottom toolbar to switch to it.

You'll notice the bottom toolbar has several disabled selection modifiers. These become available as you start to draw your selection.



Automatic

Freehand

Rectangle

Ellipse



Add



Remove



Invert



Duplicate



Feather



Clear

Automatic

Invokes Automatic Selection mode

Freehand

Invokes Freehand Selection mode

Rectangle and Ellipse

Invokes Shape Selection modes

Add

Add area to your selection

Remove

Remove area from your selection

Invert

Inverts your selection mask

Duplicate

Duplicates your selected content

Feather

Adjust your selection feathering

Clear

Clears your current selection

Painting with a selection

With an active selection you can protect the important parts of your artwork.

When you have made your selection and are ready to get back to your artwork, tap another tool, such as Paint or Transform. You'll now notice that both the Selection button and the button you just tapped are highlighted. This lets you know that you're ready to work with your new selection. To exit Selection mode without committing your selection, just tap the Selections button.



Undo and Redo

Use Procreate's gestures to Undo and Redo while in a mode.

While in Selection mode, you can tap the canvas with two fingers at any time to Undo your last action, or tap with three fingers to Redo. To learn more about these gestures, see page 53.



Section 2

Automatic Selection

Quickly select areas of your artwork with a single touch.



Automatic

Freehand

Rectangle

Ellipse



Add



Remove



Invert



Duplicate



Feather



Clear

Automatic Selection

Invoke Automatic Selection

Tap the Automatic button to switch to Automatic Selection mode.

You can switch between modes for even more power and flexibility. Try selecting an area with Automatic Selection, then switching to Freehand to make fine adjustments.



Using Automatic Selection

Just tap an area of your artwork to instantly select it.

Hold your finger on the screen and drag to the left or right to adjust Selection Threshold. This works just like ColorDrop Threshold - the higher the Threshold, the more aggressively Automatic Selection will treat boundaries.



Add to selection

Easily expand your selection with a single tap.

Just tap another area to add it to your selection. Tap an area and drag left or right to select and adjust your Threshold.

Once you've got your selection exactly right, you can start work right away. Tap Paint, Smudge or Erase to begin adjusting your selected content immediately, or tap Transform to move or change your content.

Closing a selection

There are several ways to close your Automatic Selection to give you various amounts of control, which depend on what your next step might be.

When you apply your selection you will see the active selection as a clear area of the canvas and the masked areas indicated by moving diagonal lines. To apply your selection do one of the following:

Tap Transform tool

Isolate and Transform the contents of the selection.



Tap the Paint button

Apply the selection and choose the brush you were using last—all in one quick step.

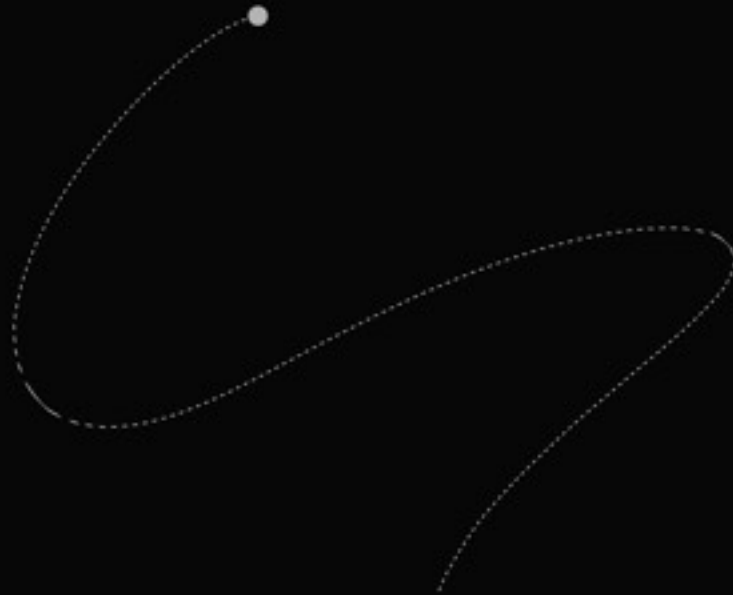
Section 3

Freehand Selection

Use Procreate's powerful freehand selection tool to isolate elements of your artwork for further refinements.

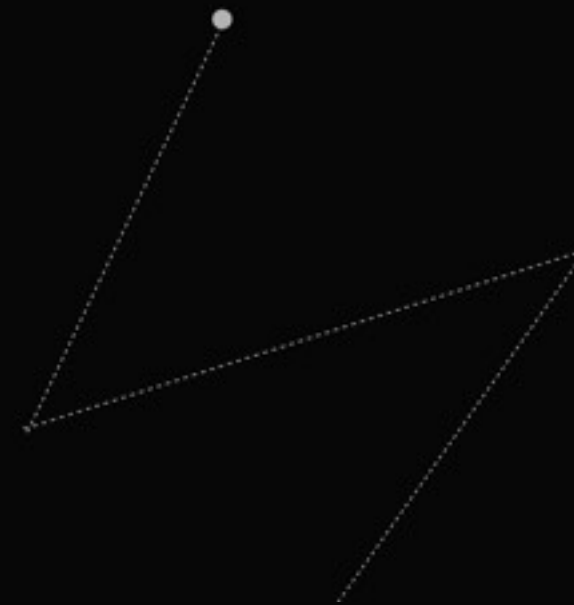
A major step forward

Procreate's remarkable multitouch selection tool allows you to create fluid freehand selections *and* polygon selections at the same time. Pioneered purely for touch input, the Freehand selection tool allows you to create selections while freely zooming and panning the canvas.



Freehand

Drag your finger or stylus around on the canvas just like you were drawing. Don't be afraid to lift your finger off, you can continue by placing it down again.



Polygon

Tap your finger or stylus on the canvas where you would like to place a corner node. As you tap around, you will see the dashed lines complete a straight line from your last point.

Pro tip:

You can combine the use of both styles to create unique shapes.

Drawing a selection

Procreate allows you to make selections while still being able to zoom, pan, and rotate your canvas.

The Selection tool is specifically built for a touch interface. Simply draw or tap around the area you wish to select. You can use Procreate's navigation gestures at any time to zoom in for greater precision or pan to select areas that are currently offscreen.

Selection starting point



Closing a selection

There are several ways to close your Freehand Selection to give you various amounts of control, which depend on what your next step might be.

When you apply your selection you will see the active selection as a clear area of the canvas and the masked areas indicated by moving diagonal lines. To apply your selection do one of the following:

Tap Transform tool

Isolate and Transform the contents of the selection.

Tap the starting point

Draws a straight line from your last point to the node. Now you can select Paint, or modify your selection further.

Tap the Paint button

Apply the selection and choose the brush you were using last—all in one quick step.



Tap the Add/Remove buttons

Apply the selection and keep Selection mode active for further modifications (see next section for more details).

Section 4

Shape Selections

Use Shape Selections to easily select shaped areas of your artwork.

Selection mode ON



Enabling Selection mode

As soon as you tap the Selection button, Selection mode becomes active and the button glows blue.

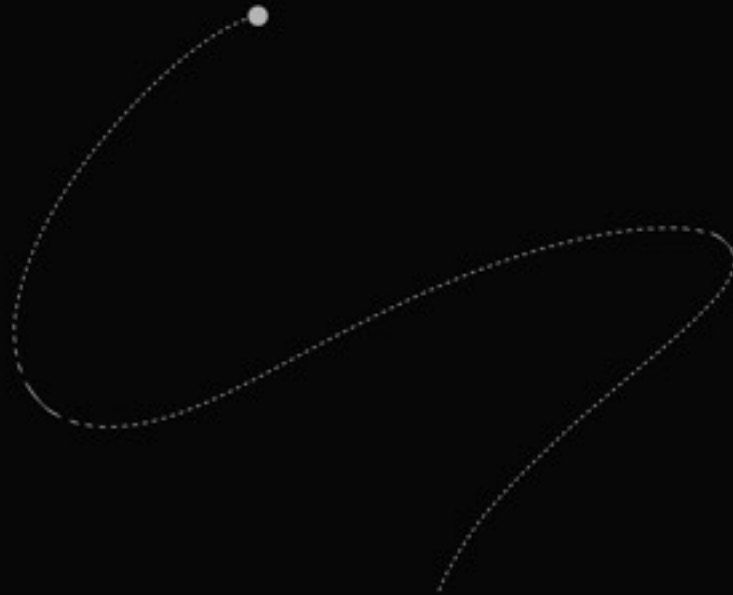
When you touch the canvas you won't be painting any more, you'll be outlining your selection.

You'll notice the bottom toolbar has several disabled selection modifiers. These become available as you start to draw your selection.

When you're finished using your selection, tap the Selection button and you'll notice it turn gray to indicate the selection is now off. You can now paint on the canvas as normal.

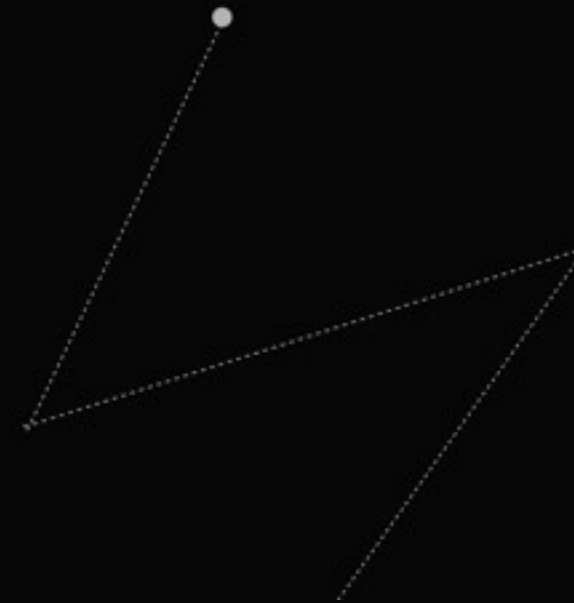
A major step forward

Procreate's remarkable multitouch selection tool allows you to create fluid freehand selections *and* polygon selections at the same time. Pioneered purely for touch input, the Freehand selection tool allows you to create selections while freely zooming and panning the canvas.



Freehand

Drag your finger or stylus around on the canvas just like you were drawing. Don't be afraid to lift your finger off, you can continue by placing it down again.



Polygon

Tap your finger or stylus on the canvas where you would like to place a corner node. As you tap around, you will see the dashed lines complete a straight line from your last point.

Pro tip:

You can combine the use of freehand and polygon style to create unique shapes.

Drawing a selection

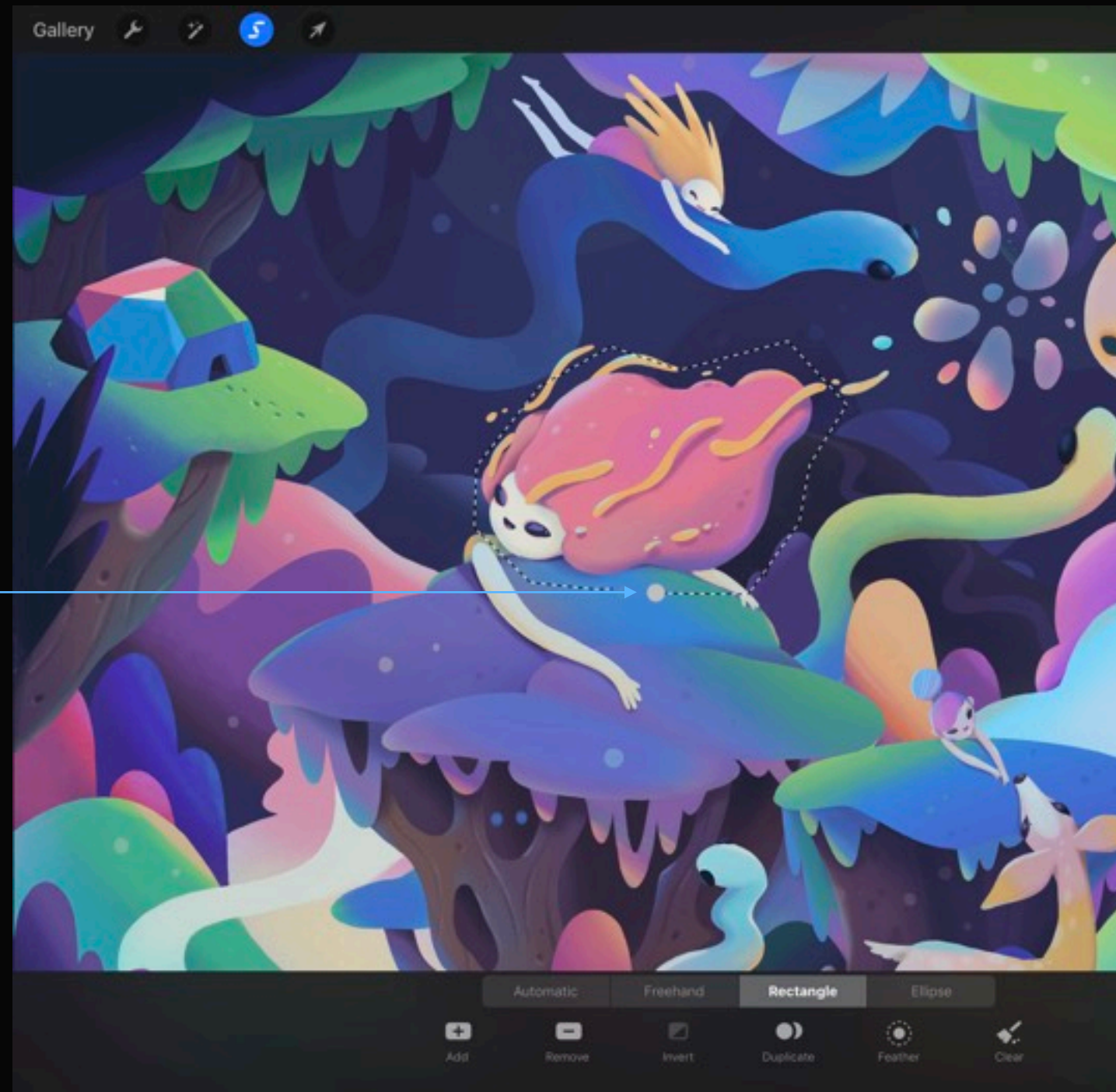
Procreate allows you to make selections while still being able to zoom, pan, and rotate your canvas.

The Selection tool is specifically built for a touch interface. Simply draw or tap around the area you wish to select. You can use Procreate's navigation gestures at any time to zoom in for greater precision or pan to select areas that are currently offscreen.

Pro tip:

You can combine the use of freehand and polygon style to create unique shapes.

Selection
starting
point



Closing a selection

There are several ways to close your selection to give you various amounts of control, which depend on what your next step might be.

When you apply your selection you will see the active selection as a clear area of the canvas and the blocked areas indicated by moving diagonal lines. To apply your selection do one of the following:

Tap Transform tool

Isolate and Transform the contents of the selection.

Tap the starting point

Draws a straight line from your last point to the node. Now you can select Paint, or modify your selection further.

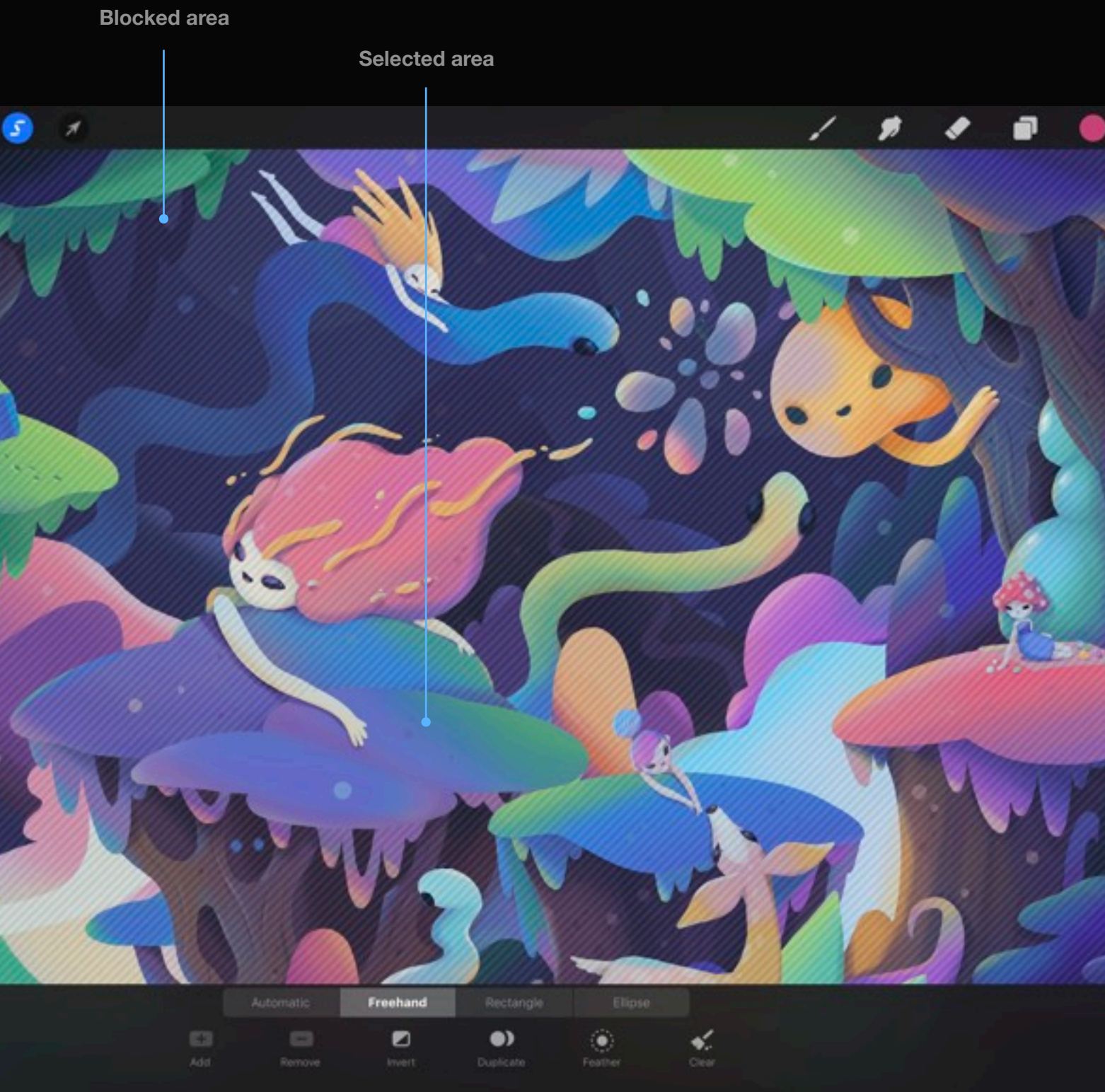


Tap the Paint button

Apply the selection and choose the brush you were using last—all in one quick step.

Tap the Add/Subtract buttons

Apply the selection and keep Selection mode active for further modifications (see next section for more details).



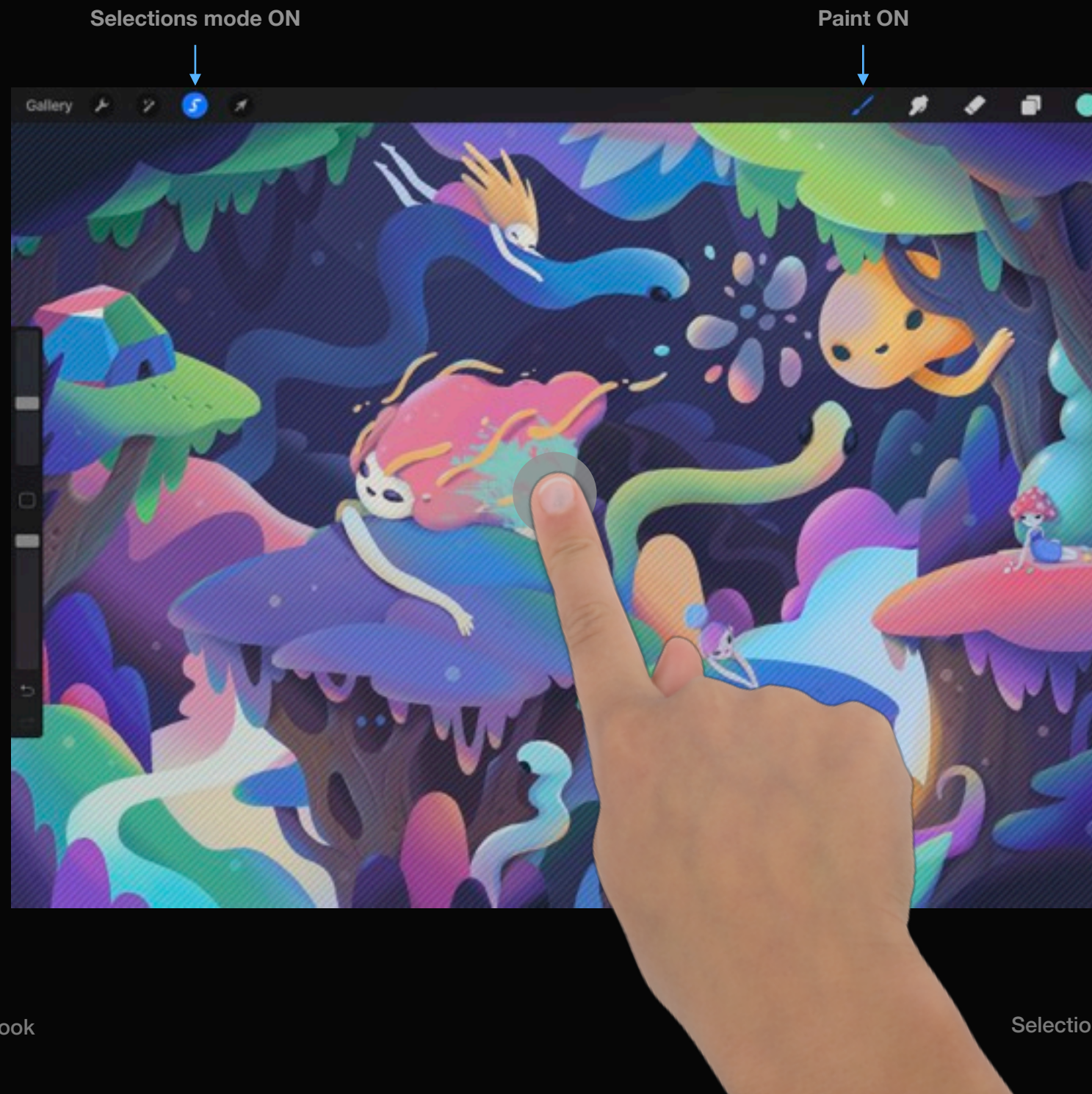
About selections

If you're unfamiliar with selections and how they work, here's a basic explanation to get you on your way.

Painting with a selection

With an active selection you can protect the important parts of your artwork.

When you have made your selection and are ready to get back to your artwork, tap the Paint, Smudge or Erase tools. You'll now notice that both the Selection button and the Paint/Smudge/Erase button are highlighted. This lets you know that you're ready to paint inside your new selection.



Section 5

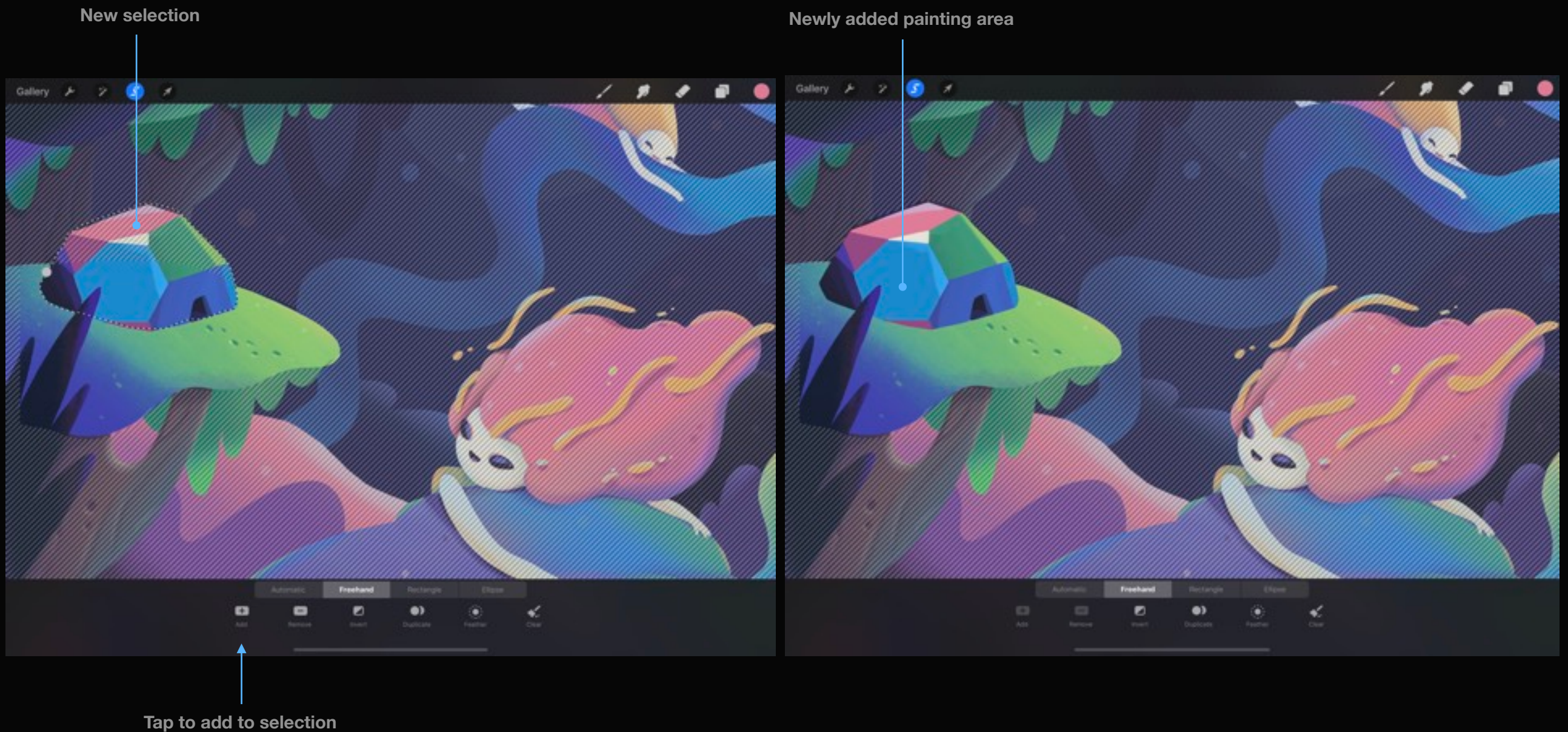
Advanced selections

Once you're familiar with the basics of Procreate's freehand Selection tool, check out this section to give you even more control over your artwork.

Add to your selection

You can add extra shapes to your selection by using the Add button on the bottom toolbar.

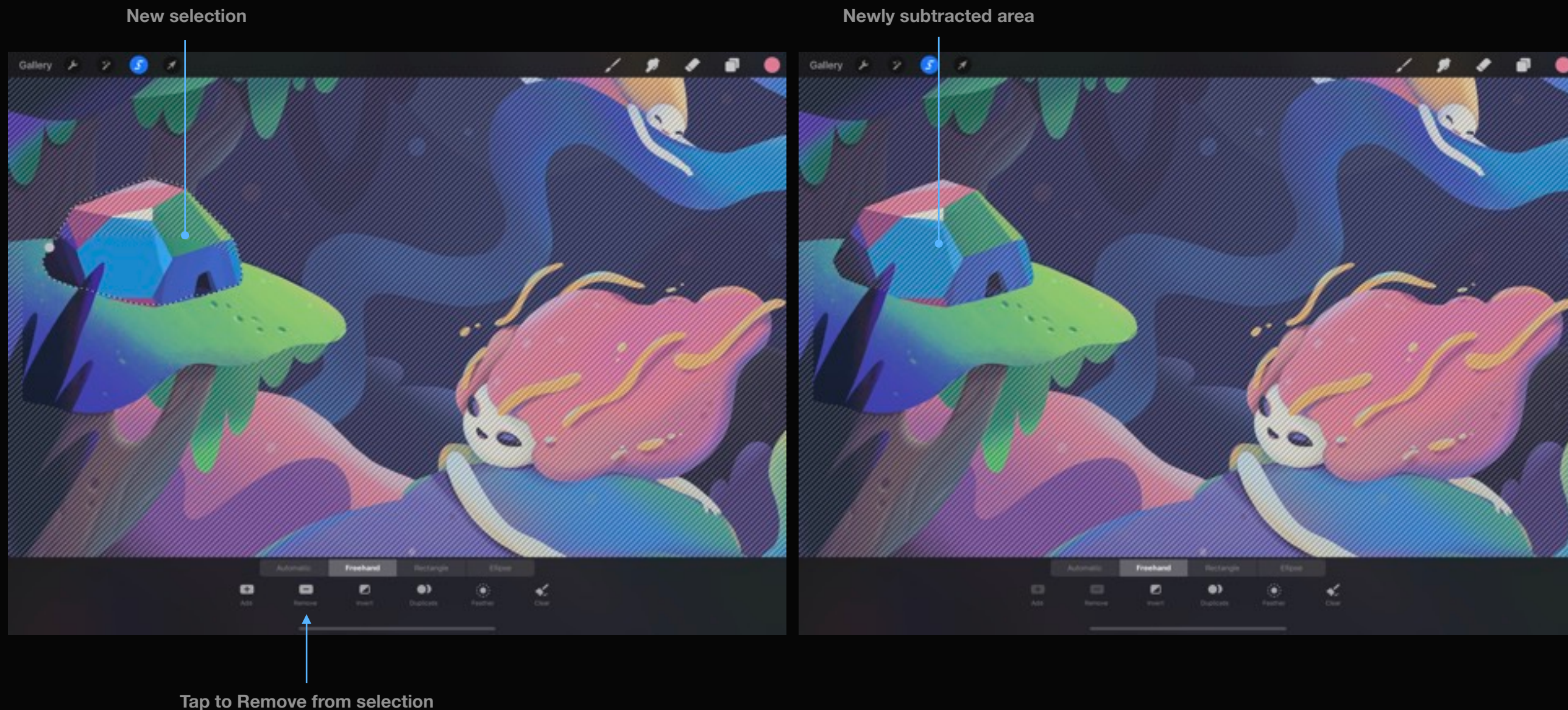
Each time you tap Add, the area inside the dashed line will be added to the current selection. The results of the Add Selection action are indicated in the example below.



Remove from your selection

You can cut away shapes from your selection by using the Remove button on the bottom toolbar.

Each time you tap Remove, the area inside the dashed line will be removed from the current selection. If they are overlapping, it will appear to cut a chunk out of your selection.

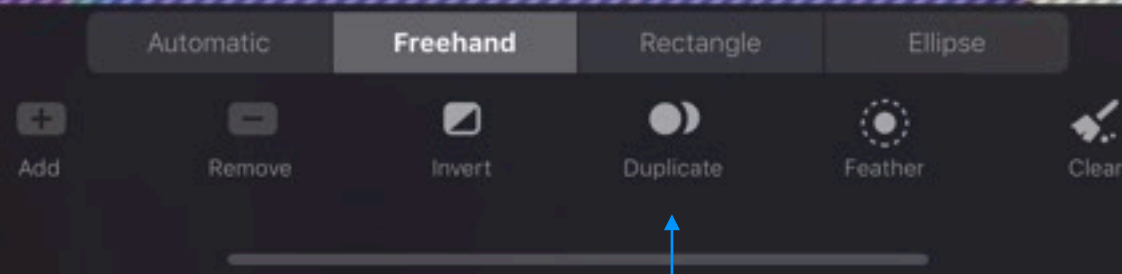




Invert Selection

At any time you can invert a selection by tapping the Invert button on the bottom toolbar.

You will notice that the diagonal lines displaying your masked area will swap from inside to outside, or vice versa, to indicate which area is now protected.



Duplicate the selection contents
onto a new layer

Duplicate Contents

Instantly copy the selected contents to a new layer.

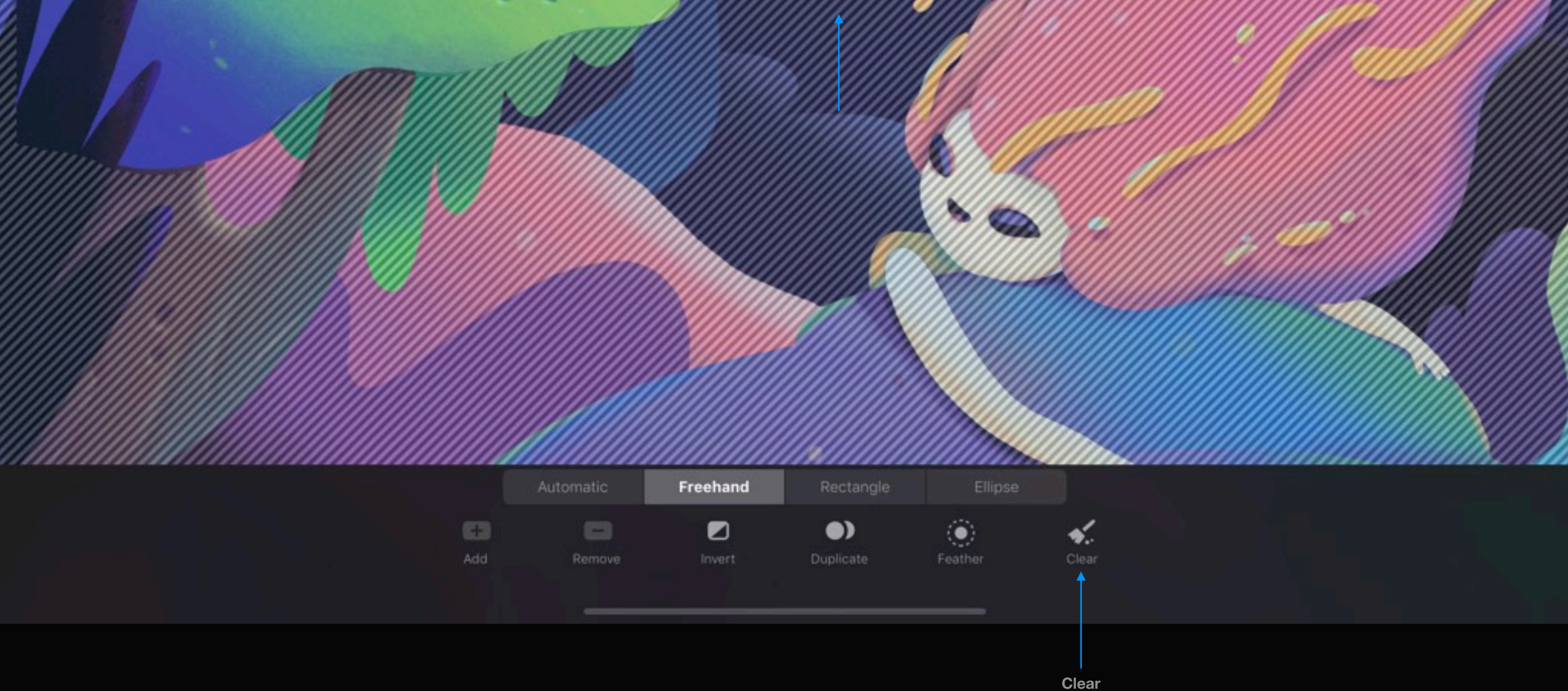
Tap this button to duplicate the contents of your selection to a new layer. The new layer will be inserted immediately above the currently selected layer. If you've reached the maximum layers for your canvas size, you'll need to merge some layers before you can use this feature.



Feather Selection

Use Selection Feathering to soften the edges of your selection.

Use any method to create a selection, then tap the Feather button. Use the Amount slider to increase the feathering of your selection. This creates a uniform soft edge around your selection to the set number of pixels. While adjusting the slider, a line indicates the feathering threshold.



Clear a selection

While in Selection mode, tap the Clear Selections button on the bottom toolbar to clear your current selection.

If you have a mask (diagonal lines on canvas) beneath a non-committed selection (dashed outline), tapping Clear will remove the non-committed selection first. Tapping Clear again will clear the mask, leaving you with no selection.

Reloading a mask

You can reload your last used selection with a tap and hold on the Selection button.

Reloading your last used selection will also activate Selection mode. From here you can add or subtract from your selection if you wish.

Hold to reload mask

Notification

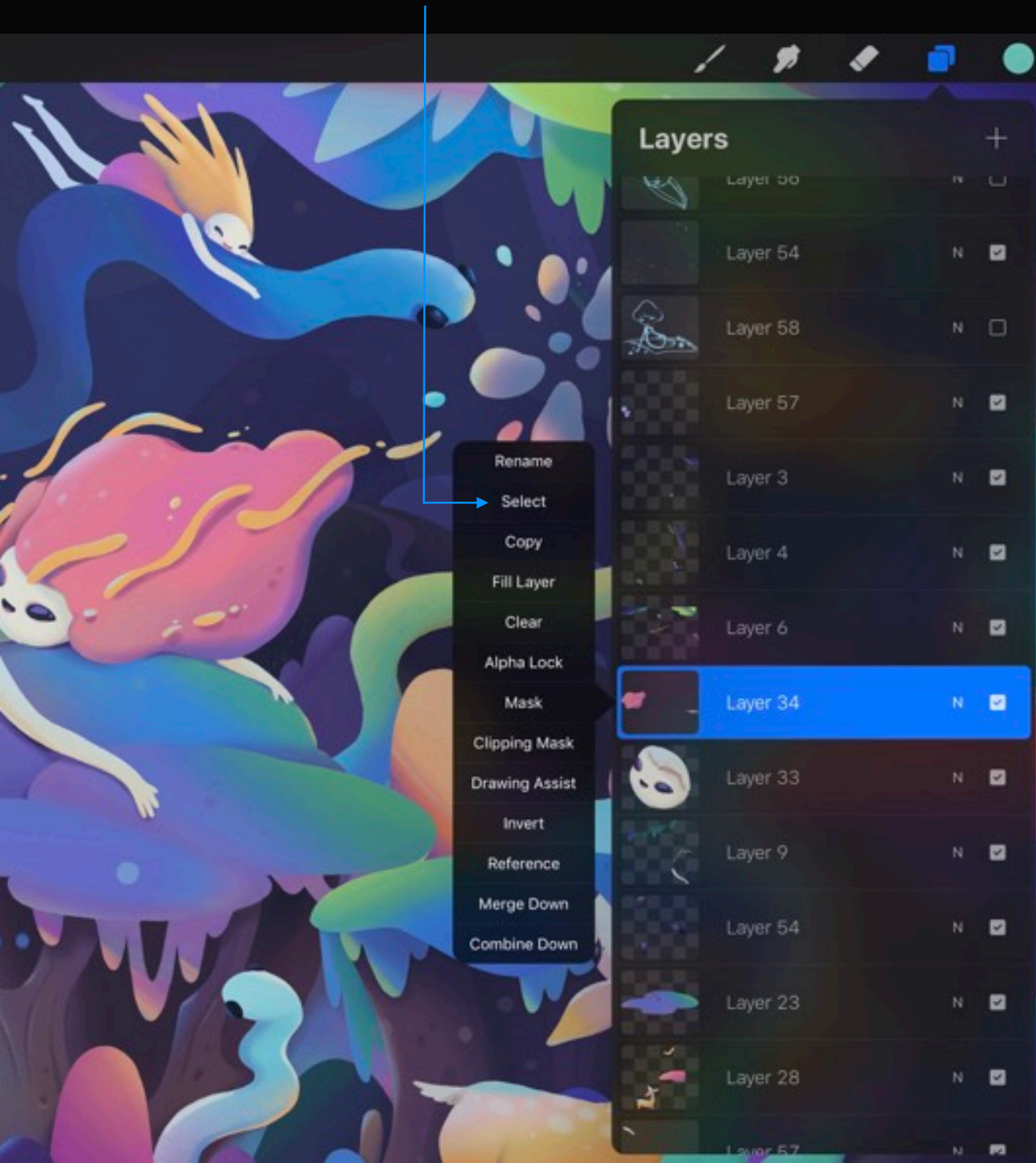
Gallery



Mask Reloaded



Tap to select only painted pixels



Select layer contents

Use any existing layer's pixel data to make a selection.

By using the Select button in the Layer Options menu, you will select any painted pixels from that layer. Procreate then activates Selection mode and commits the mask, so you can paint straight away. If you want to adjust the selection, tap and hold on the Selection button to reload the mask and access the Selection toolbar.

Using Select layer contents will reference transparency on the current layer, which can be great for feathering effects.

You can also select the contents of a layer by holding on the layer with two fingers.

Adjusting the Selection mask UI

Tucked away in Actions > Prefs, you will find a setting to adjust the Selection mask visibility.

Adjusting the slider will change the strength of the Selection mask pattern so you can get it just the way you like it. If you don't have an active selection, adjusting the slider will show a preview of the Selection mask.

See page 310 for more info on the Actions menu.

Customize
Selection
mask
visibility



Transform

Section 1

Overview

Learn the basics of Procreate's Transform tool with a rundown of each UI element and how your layer contents can be manipulated.

Transform interface



Transforming a layer

Transform allows you to move and manipulate the layer contents easily.

Once you tap the Transform button your layer will be bounded by a moving dashed line. This dashed line will encompass every pixel in that particular layer or selection. On each corner and in the middle of each face, you will see a node. These are the control points that you use to transform your layer or selection. You can switch between the four Transform methods using the buttons in the bottom toolbar.

Transform
mode ON



Layer contents

Transform rotation

Rotate your Transform object by dragging the node, using a gesture, or tapping the button in the toolbar.

Rotation in Transform mode can be done in three different ways. Use the pinch-zoom gesture to rotate the object at the same time as scaling it, or drag the green rotation node to precisely rotate without scaling. To rotate in exact 45° increments, use the button in the bottom toolbar. Additionally, if you use the rotation node while Magnetics is active, your object will snap to 15° increments.



Pro tip:

All rotation methods are available in Freeform, Uniform, and Distort modes.

Magnetics

Magnetics are intelligent guides to help keep your Transforms aligned & ratios correct.

To toggle this mode, just tap the Magnetics button on the bottom toolbar. While Magnetics are on, you will see blue guides pop up on the screen while you're transforming, and your object will gently snap to these points. This shows you a particular position, scale, or rotation that might be helpful.





Flip Horizontal and Vertical

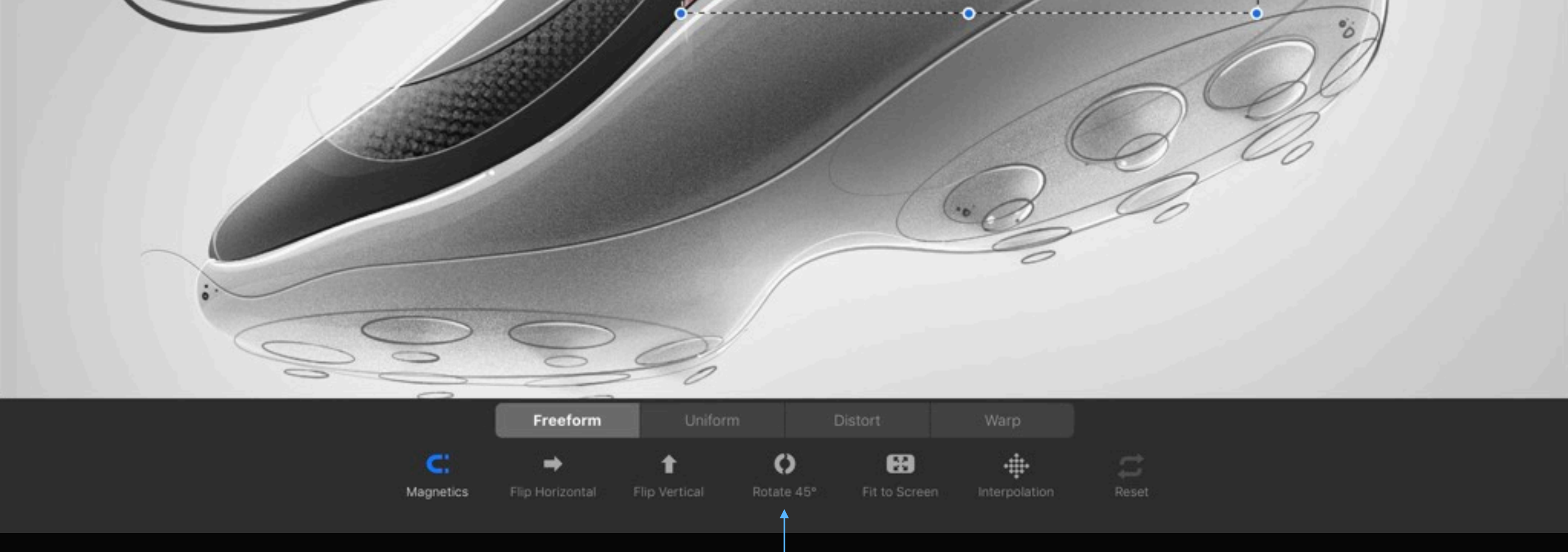
Use the toolbar buttons to flip your Transform content.

Flip Horizontal

Flip the contents of your layer or selection along the horizontal axis.

Flip Vertical

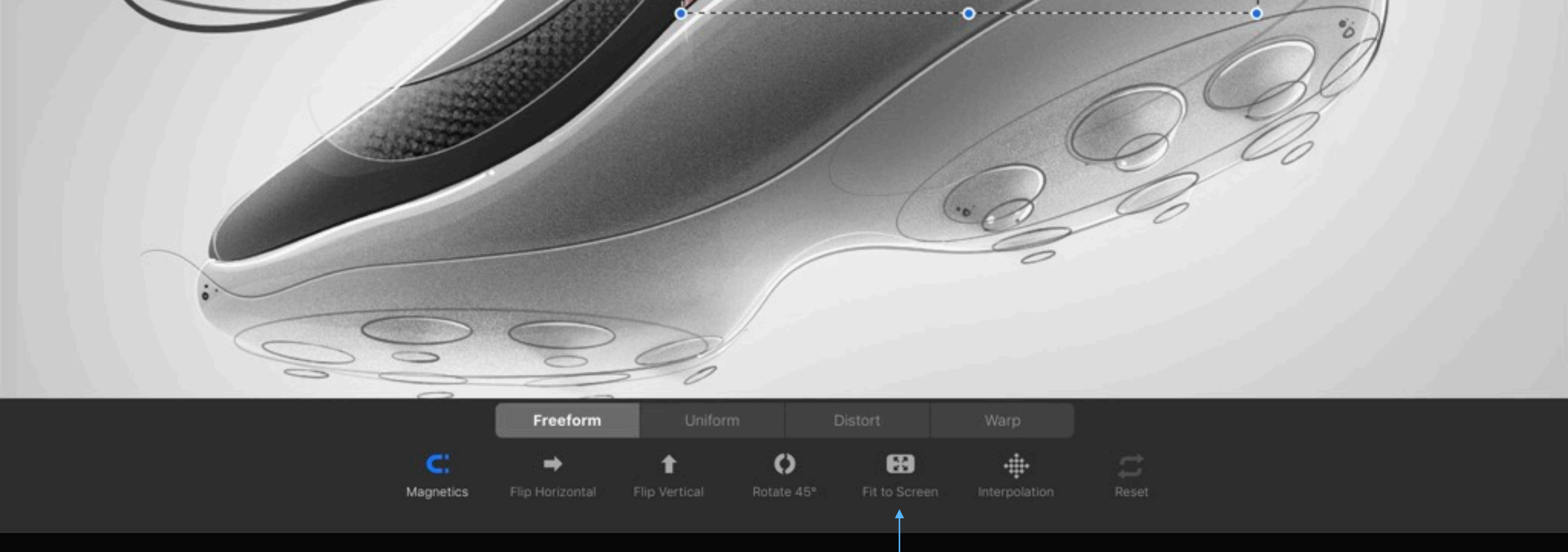
Flip the contents of your layer or selection along the vertical axis.



Rotate 45°

Rotate your Transform content in fixed increments.

Tap the button to rotate your Transform content clockwise in 45° increments. For more information about Transform rotation methods, see page 285.



Fit to screen

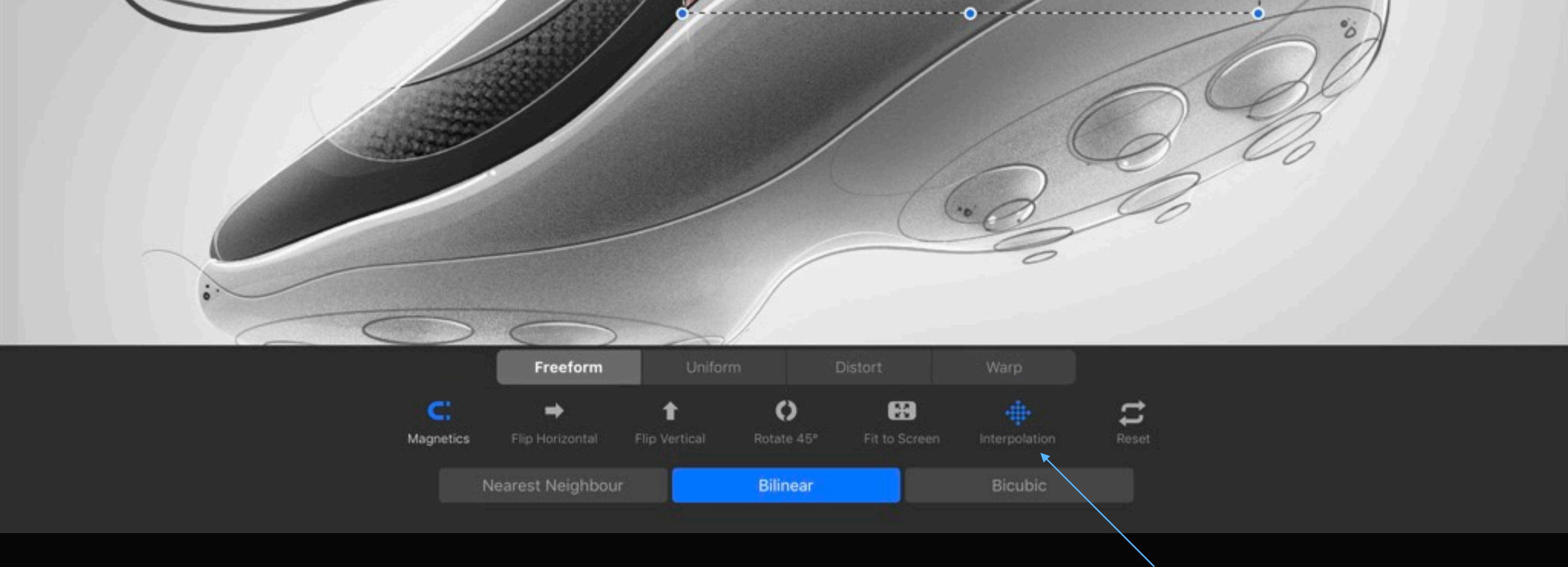
Quickly fit your Transform object to the canvas.

With Magnetics

Transform the layer contents to fit the canvas uniformly with maximum coverage. This will result in the image overflowing the canvas boundaries, which will crop the artwork to those boundaries once committed.

Without Magnetics

Fit the layer contents uniformly to the canvas boundaries. No part of the image will be cropped.



Interpolation methods

Select the method of interpolation to be applied to the current transformation.

Interpolation refers to the method used to adjust the pixels of an image when scaling, rotating, or transforming in other ways. Select the interpolation method that best suits the results you're after.

Nearest Neighbor

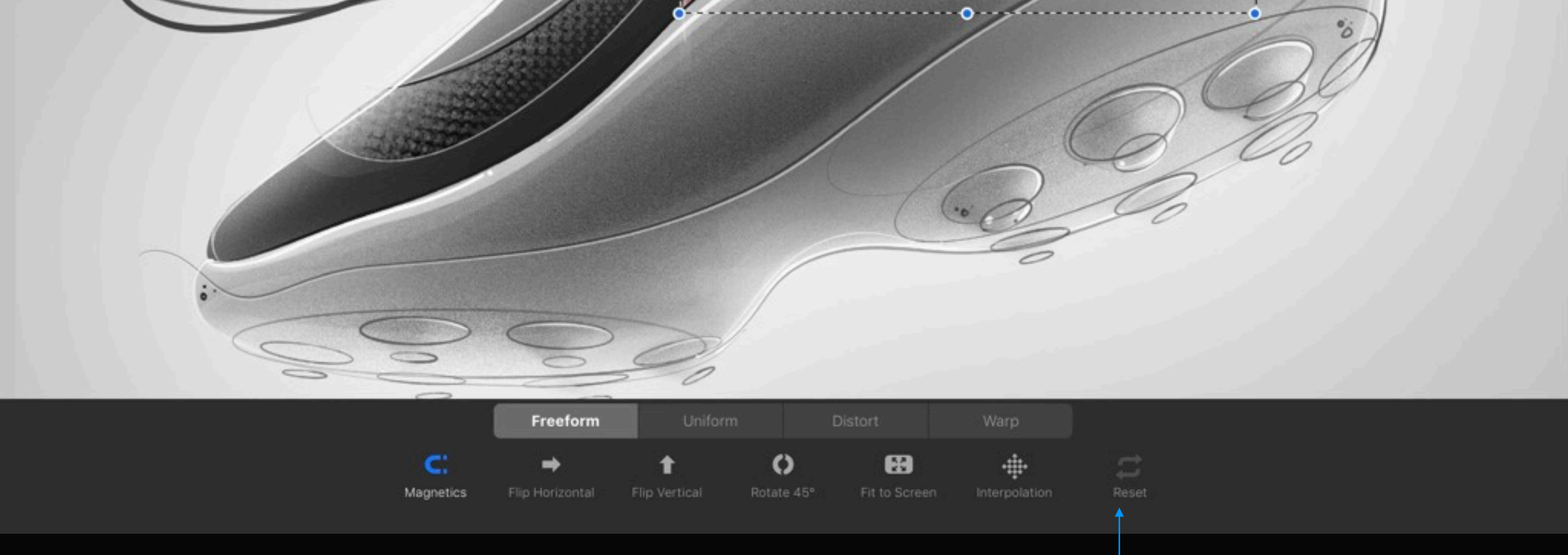
This uses information from the nearest pixel to the interpolated point, resulting in sharp, jagged edges.

Bilinear

Bilinear interpolation considers a 2x2 area of pixels surrounding the interpolation point, and results in a smoother image than Nearest Neighbour.

Bicubic

Bicubic interpolation considers a 4x4 area of surrounding pixels, and will give the smoothest result.



Press Reset to revert
work to original state

Reverting mistakes

Transforming can get pretty hectic sometimes. Here are a few features to save you time.

Reset

Tapping the Reset button will disregard all changes you have made while in Transform mode and revert the layer to its original state.

Undo and Redo

If you're in the middle of a complex Transform and you only want to go back one step, simply tap the canvas with two fingers to Undo. To Redo, tap with three fingers.

Pro tip:

Once you leave Transform mode, Procreate will compact all of those Transform actions into one step, making them into one undo. You can change this behavior in Settings by switching 'Simplified Undos' to OFF. This will cause Procreate to remember every Transform action you take.



Nudge

Nudge your object slightly in any direction by tapping outside the bounding box.

Tap outside your object to move your object left, right, up or down in tiny increments. You can do this in Freeform or Distort modes.

The nudge distance will be affected by zoom level, so the closer you are to your painting, the smaller the nudge will be.

Zoom & pan shortcut

While transforming it is possible to move your view around without committing your changes.

Hold the Transform button and zoom/pinch to adjust your view. Let go of the Transform button to go back to transforming your object. This is available in all Transform modes.



Section 2

Freeform

Learn how to use Procreate's Freeform Transform mode to scale and rotate content.

Repositioning your work

After activating Transform, just tap and drag one finger to translate (move) the layer or selection. You don't need to touch inside the Transform bounds to translate - drag anywhere on the canvas to move your object. Move freely, or activate Magnetics to snap your object to useful angles and positions.





Uniform Transform

There are two ways to uniformly transform an object in Freeform mode.

Quick scale

Pinching outward or inward inside the object bounds will uniformly scale the Transform object, anchored from the center.

Using Magnetics

With Magnetics active, drag any corner node to adjust to the new size. This will uniformly scale the Transform object, anchored from the opposite corner.



Non-uniform Transform

Procreate allows you to stretch an object however you see fit.

In Freeform mode, you can stretch your layer and disregard its original ratio. Drag any of the blue nodes to adjust your Transform object, anchored from the opposite node.

Grabbing a corner node will give the quickest result as it will transform on both the x and y axes, while grabbing a side node will only stretch the layer along that axis.

Pro tip:

If you drag a corner node while Magnetics is active, you'll get a uniform Transform instead of Freeform.

Section 3

Uniform

Use the Uniform Transform mode to move, scale, and rotate your layer or selection without ever changing your aspect ratio.

Repositioning your work

After activating Transform, just tap and drag one finger to translate (move) the layer or selection. You don't need to touch inside the Transform bounds to translate - drag anywhere on the canvas to move your object. Move freely, or activate Magnetics to snap your object to useful angles and positions.





Uniform Transform

There are two ways to uniformly transform an object in Uniform mode.

Quick scale

Pinching outward or inward inside the object bounds will uniformly scale the Transform object, anchored from the center.

Drag a node

Drag any of the blue nodes to uniformly adjust your Transform object, anchored from the opposite node.

Section 4

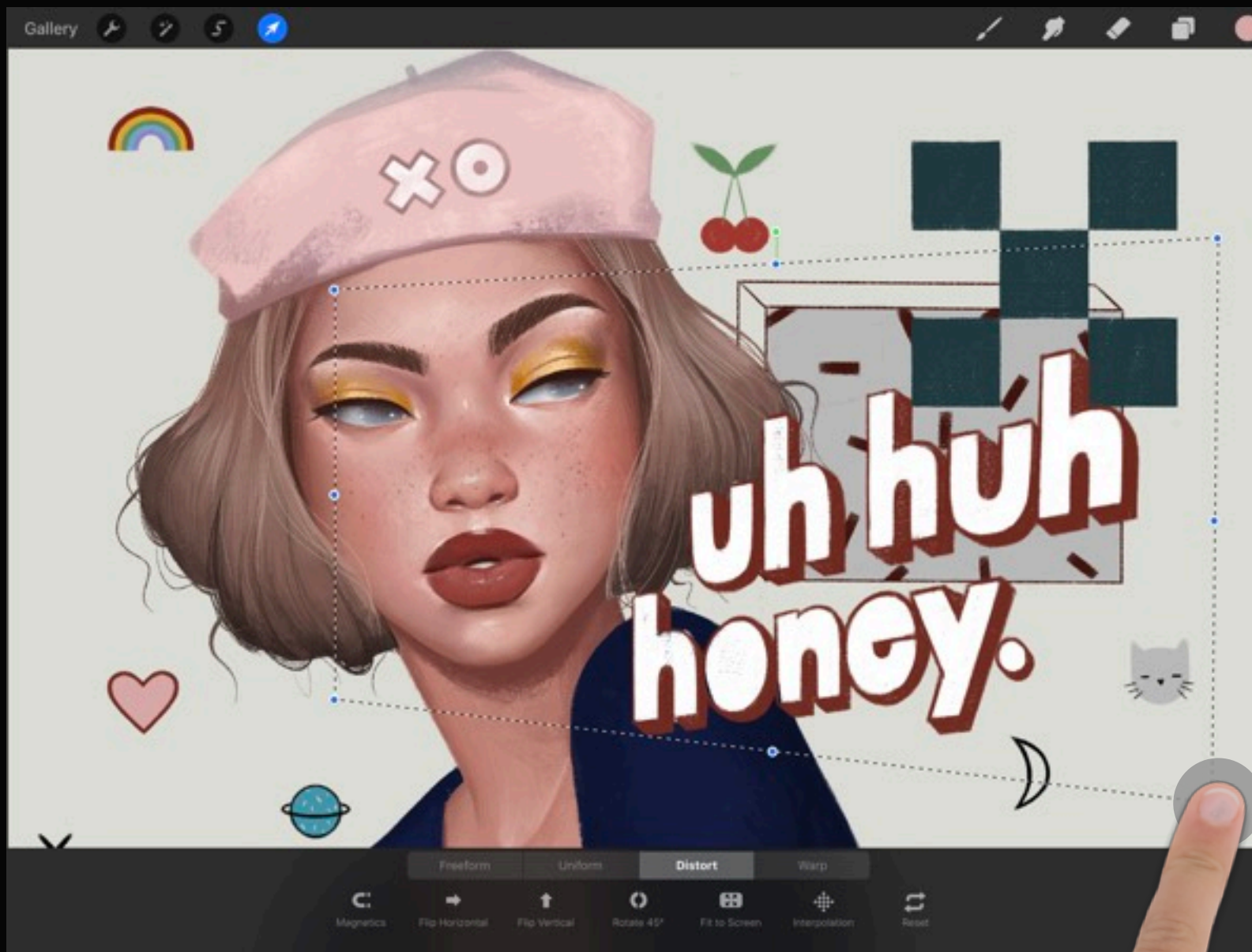
Distort

This section will explain the power of the Distort and Shear tools.

Distort

Procreate's impressive Distort feature makes three-dimensional scenes a piece of cake.

Engage Distort by tapping the Distort button in the toolbar, then drag a corner node to begin distorting the object. The artwork here is a great example of using Distort to create a perfect three-dimensional scene. Paint your textures as if you were looking at them from front on or top down and once you're finished painting, distort it into place to get a perfect perspective in a fraction of the time it would take to paint it manually.



Pro tip:

To Distort an object from Freeform mode, hold for a moment on a corner node. A notification at the top of the screen will indicate that you're now distorting the object.

Shear

Shearing is like tilting an object. It can be handy for creating depth or slight angles.

In the image below, we might wish to shear the café benches a little more. To shear an object while in Transform mode, tap the Distort button in the toolbar, then begin dragging a center node. To restrict the Shear's movement to a single axis, turn Magnetics on.



Pro tip:

To Shear an object from Freeform mode, hold for a moment on a corner node. A notification at the top of the screen will indicate that you're now shearing the object.



Nudge

Nudge your object slightly in any direction by tapping outside the bounding box.

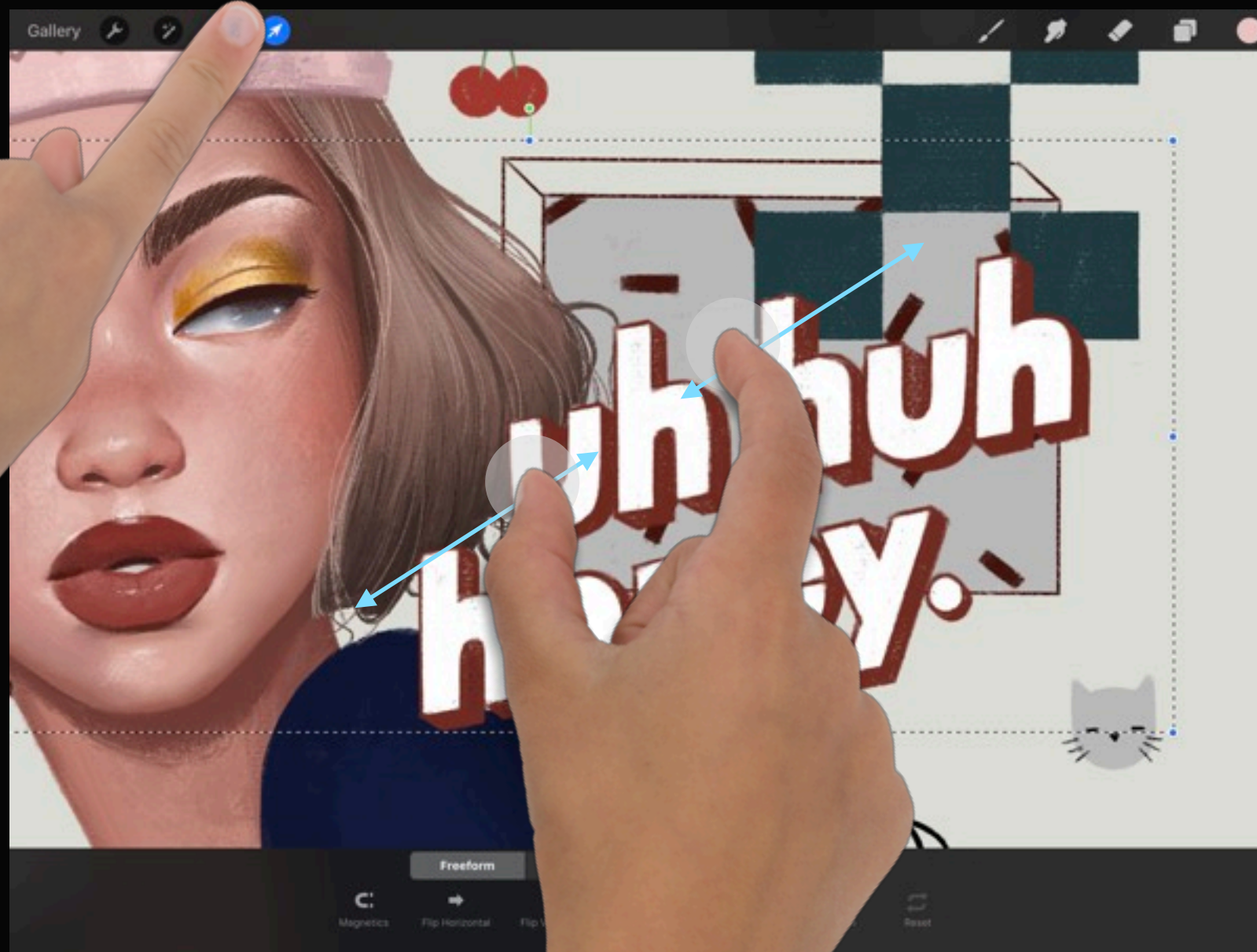
Tap outside your object to move your object left, right, up or down in tiny increments. You can do this in Freeform or Distort modes.

The nudge distance will be affected by zoom level, so the closer you are to your painting, the smaller the nudge will be.

Zoom & pan shortcut

While transforming it is possible to move your view around without committing your changes.

Hold the Transform button and zoom/pinch to adjust your view. Let go of the Transform button to go back to transforming your object. This is available in all Transform modes.



Section 5

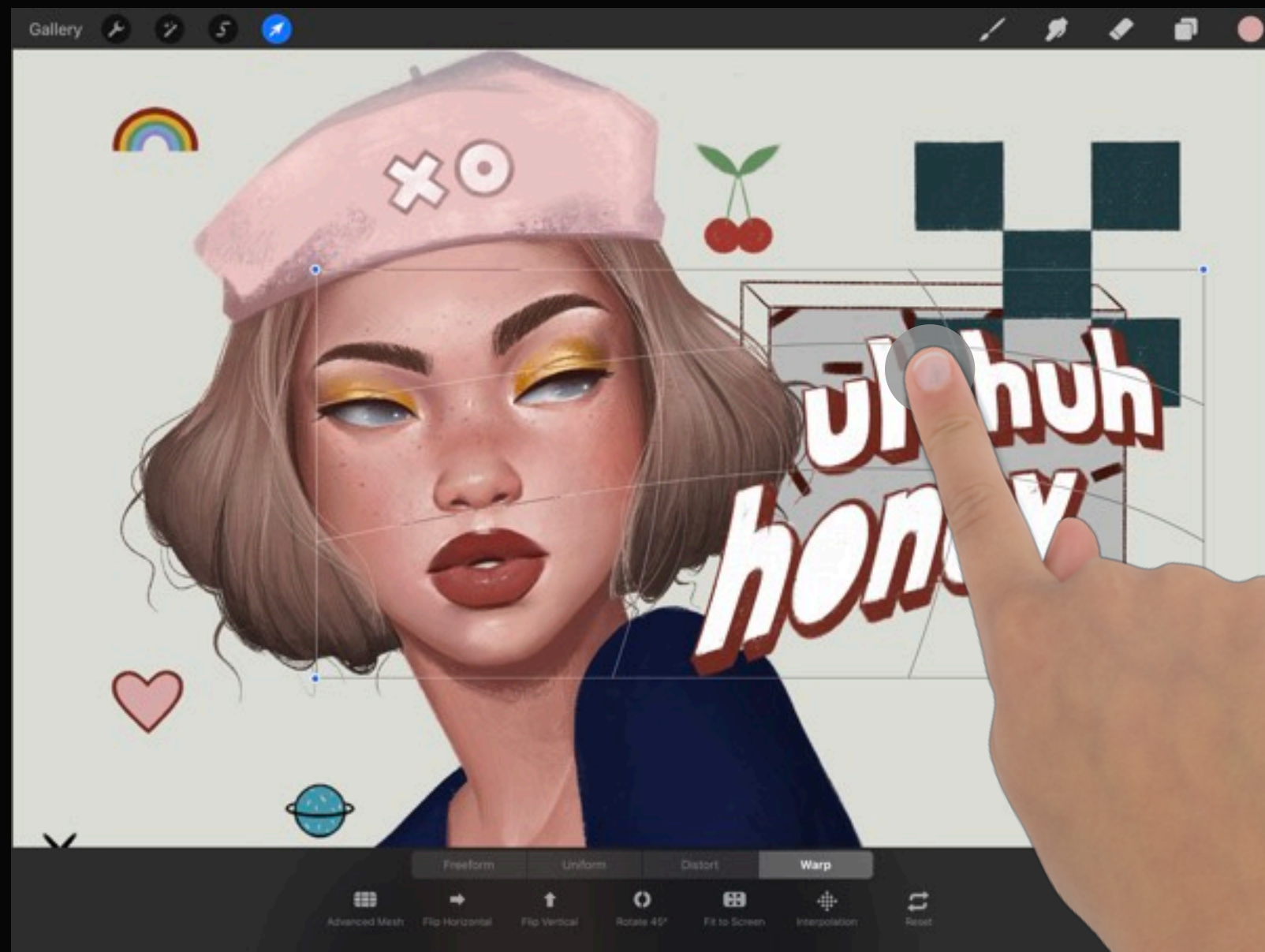
Warp

Learn to fold and wrap your artwork with Warp Transform.

Using Warp

Move the Warp mesh to wrap and fold your content.

You can adjust the bezier surface by moving a node, or the mesh itself, to give your content a three-dimensional appearance. For example, you can drag a corner node to pull that corner forward, and fold it over other parts of your Transform object.



Node Control

Tap a node to invoke positional controls.

Once you tap a Warp Transform Node, you can choose to move it to the front, the middle, or the back.
When you move a node without invoking this menu, it will be moved to the front by default.



Advanced Mesh

Tap the Advanced Mesh button to invoke more nodes for finer control.

The Advanced Mesh option invokes a node on every intersection of the Warp mesh. This means that rather than moving a section of the mesh, you can carefully adjust each control point individually.



Advanced Mesh



Actions

Section 1

Actions overview

The Actions menu is the home of all Procreate's settings, options, and canvas information.

Actions overview

Just tap the Actions button in the toolbar to open the Actions menu.

You'll see tabs along the top of the menu, dividing the different options. Just tap a tab to jump to that section, and tap outside the menu when you're done.



Section 2

Inserting files and images

The Add tab provides various options for importing images into your canvas, and for using the clipboard.

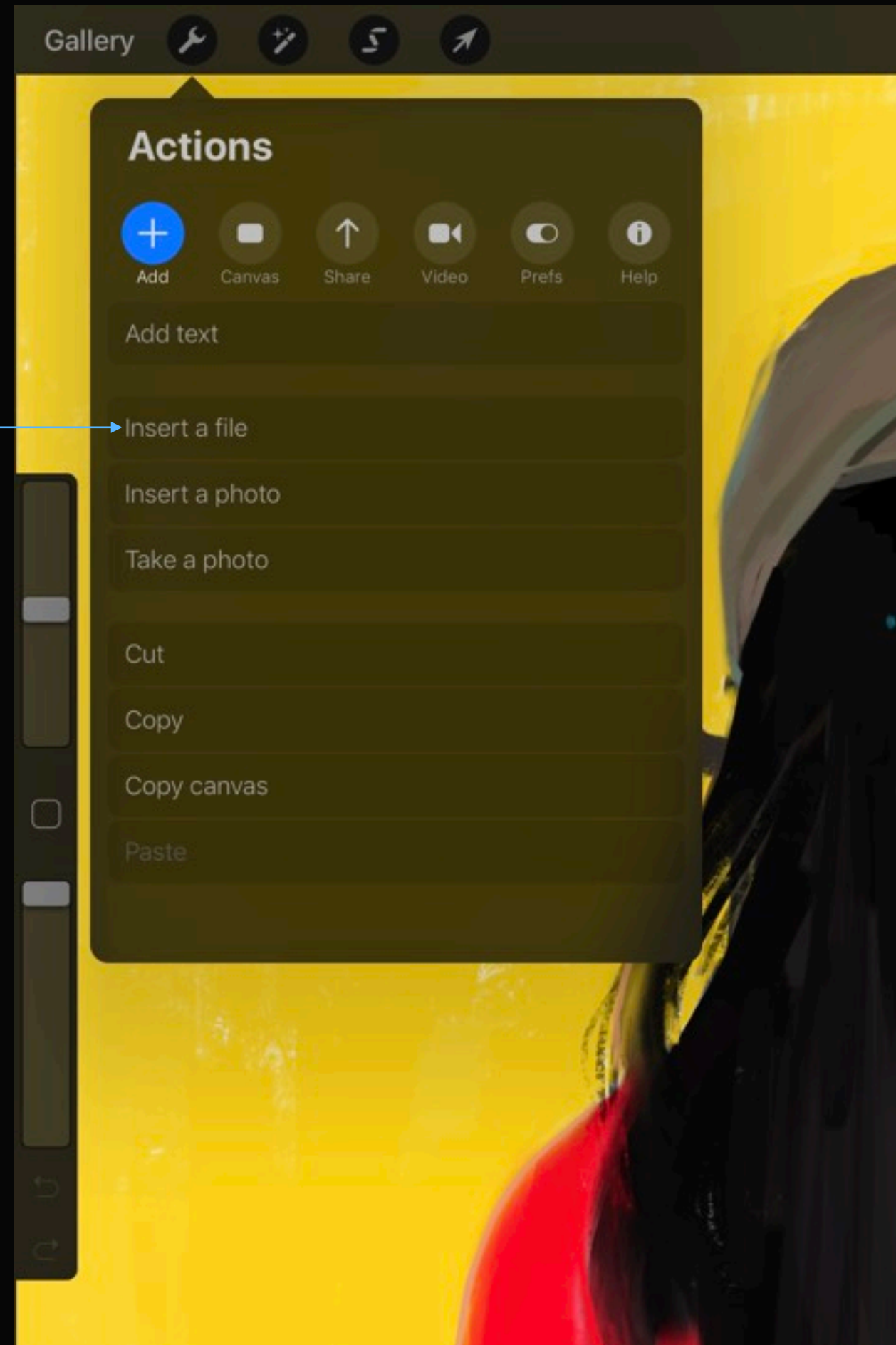
Insert a file

Use Files app to insert an image from any connected location.

This option lets you insert a compatible image into your canvas via the Files app. Tapping this button will allow you to access any location or service connected with Files.

PNG, JPEG, and PSD files can be inserted through this menu. PSD files will come in as a flat image. To import a layered PSD file, see page 27.

Tap to insert a file
from Files app

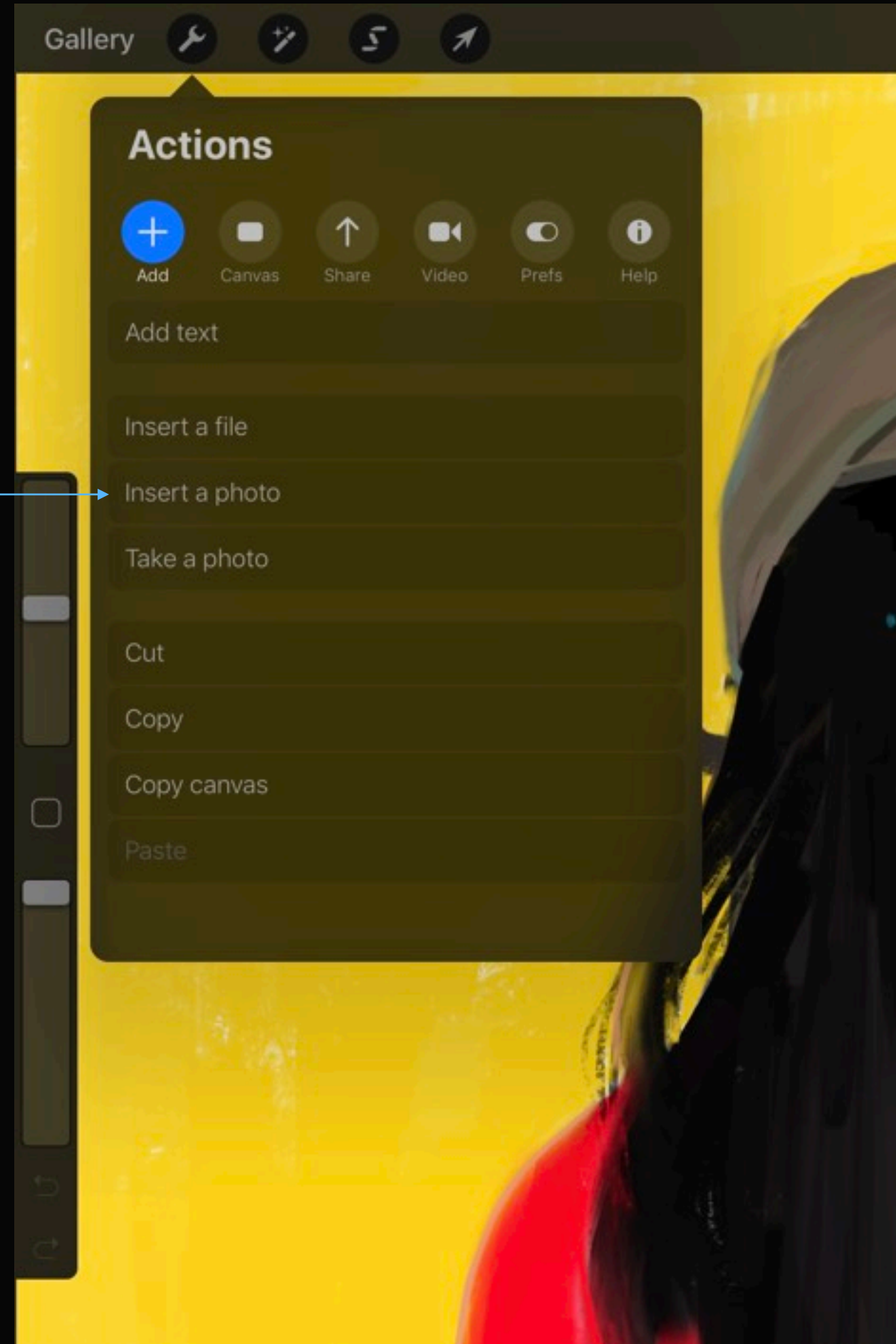


Insert a photo

Insert an image from your Photos app directly into your canvas.

This option lets you bring a JPEG, PNG or PSD image from your Photos app into your existing canvas. PSD files will be imported as a flat image. To import a layered PSD file, see page 27.

Tap to insert a photo from Photos

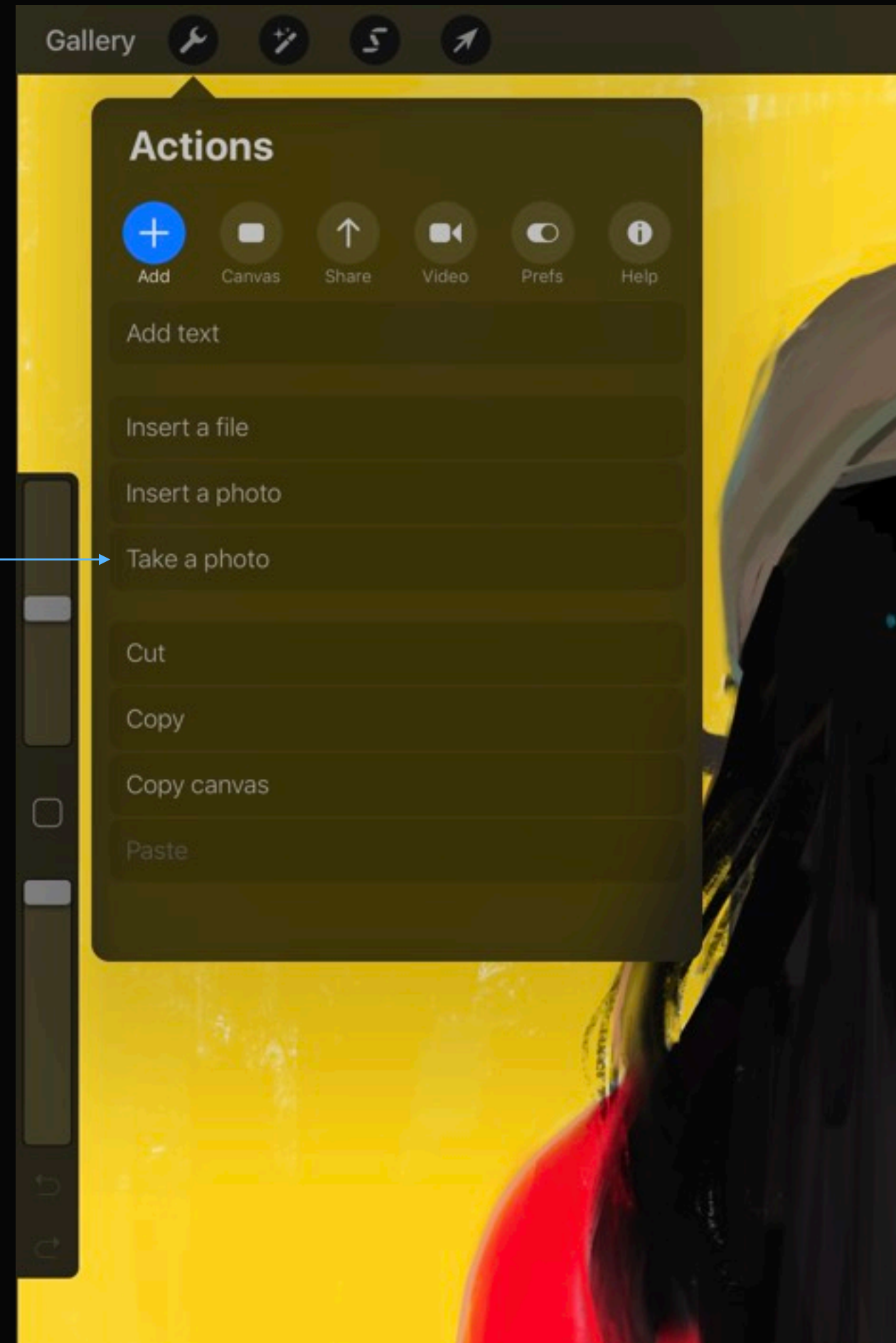


Take a photo

Use your iPad camera to take a photo and immediately insert it into your canvas.

Tapping this button will access your iPad's camera, allowing you to take a photo that can immediately be inserted into your canvas, all without leaving Procreate.

Tap to take a photo in Procreate



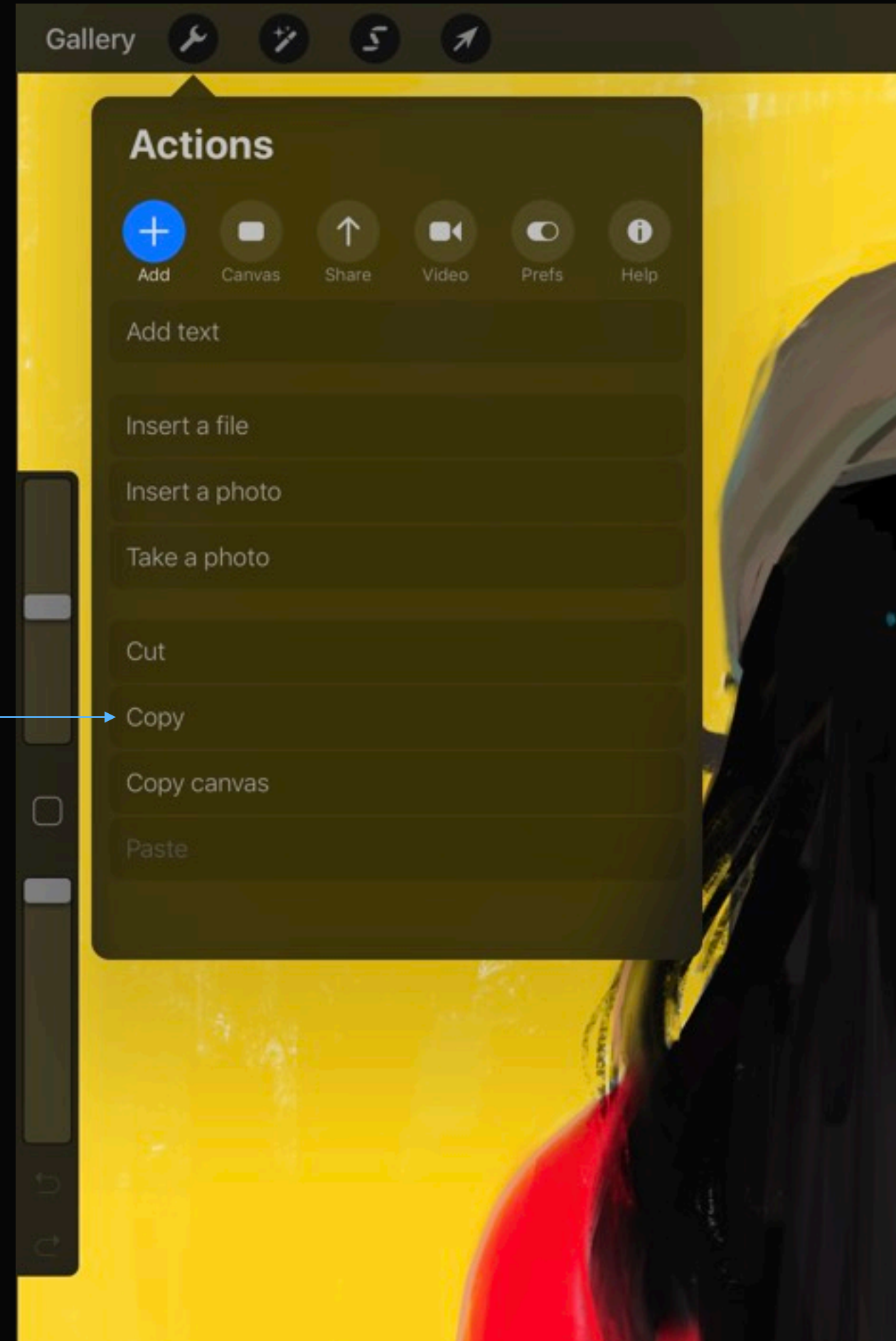
Cut, Copy, & Paste

Use the clipboard options to manipulate your canvas from the Actions menu.

Use these buttons to interact with the iOS clipboard. Copy Canvas will copy all your currently visible layers as a single image. Cut and Copy will only affect your current layer or selection. Paste will only be available if the clipboard contains compatible content.

These options can be accessed through the Cut/Copy/Paste gesture (see page 63) or through the QuickMenu (see page 427).

Copy & Paste options



Section 3

Canvas actions

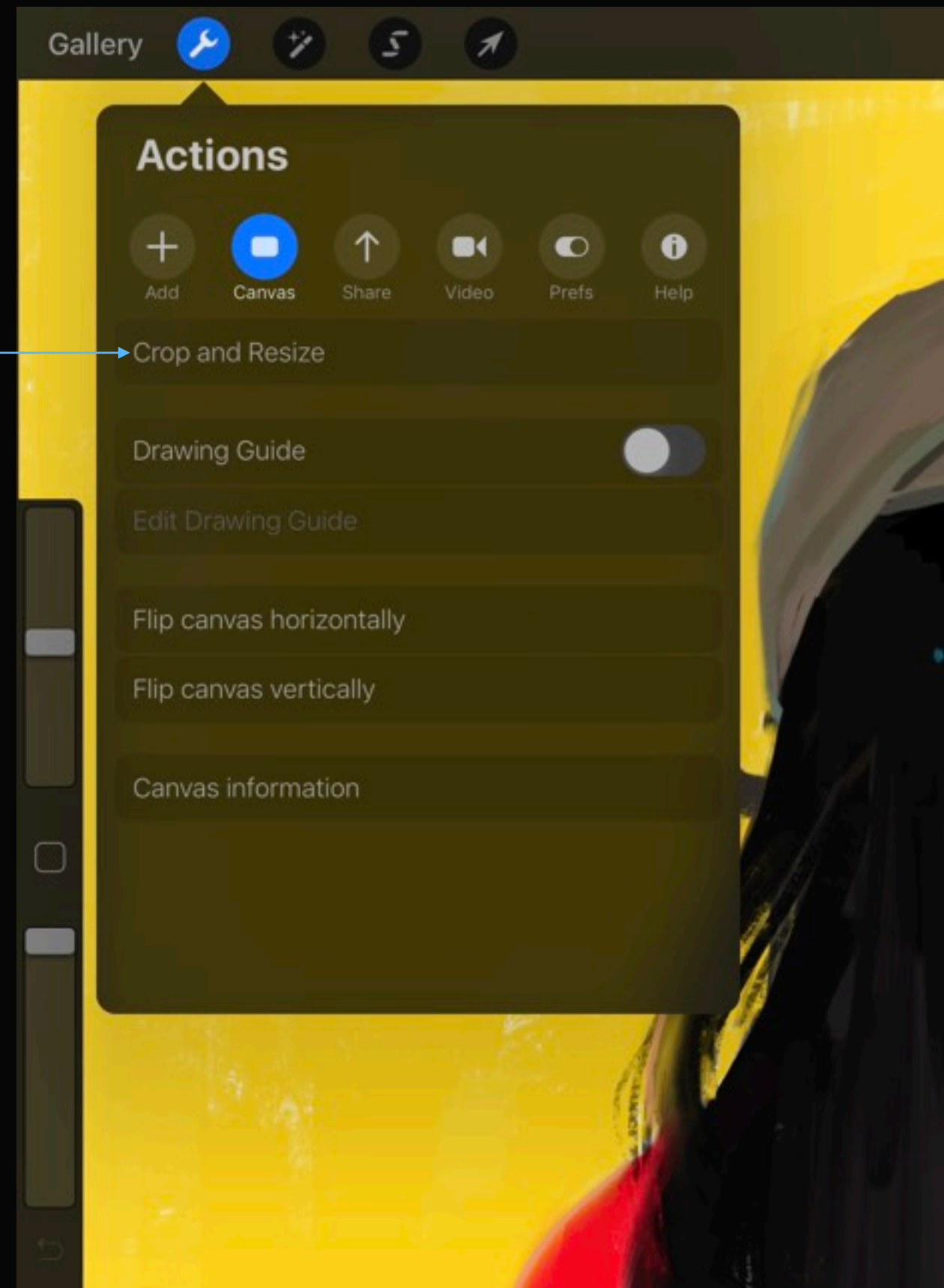
Access the Drawing Guides, Crop and Resize your canvas, flip your canvas, and check your Canvas Information.

Crop and Resize

Adjust the size of your canvas for the perfect composition.

See page 385 to learn more about how to Crop and Resize your canvas.

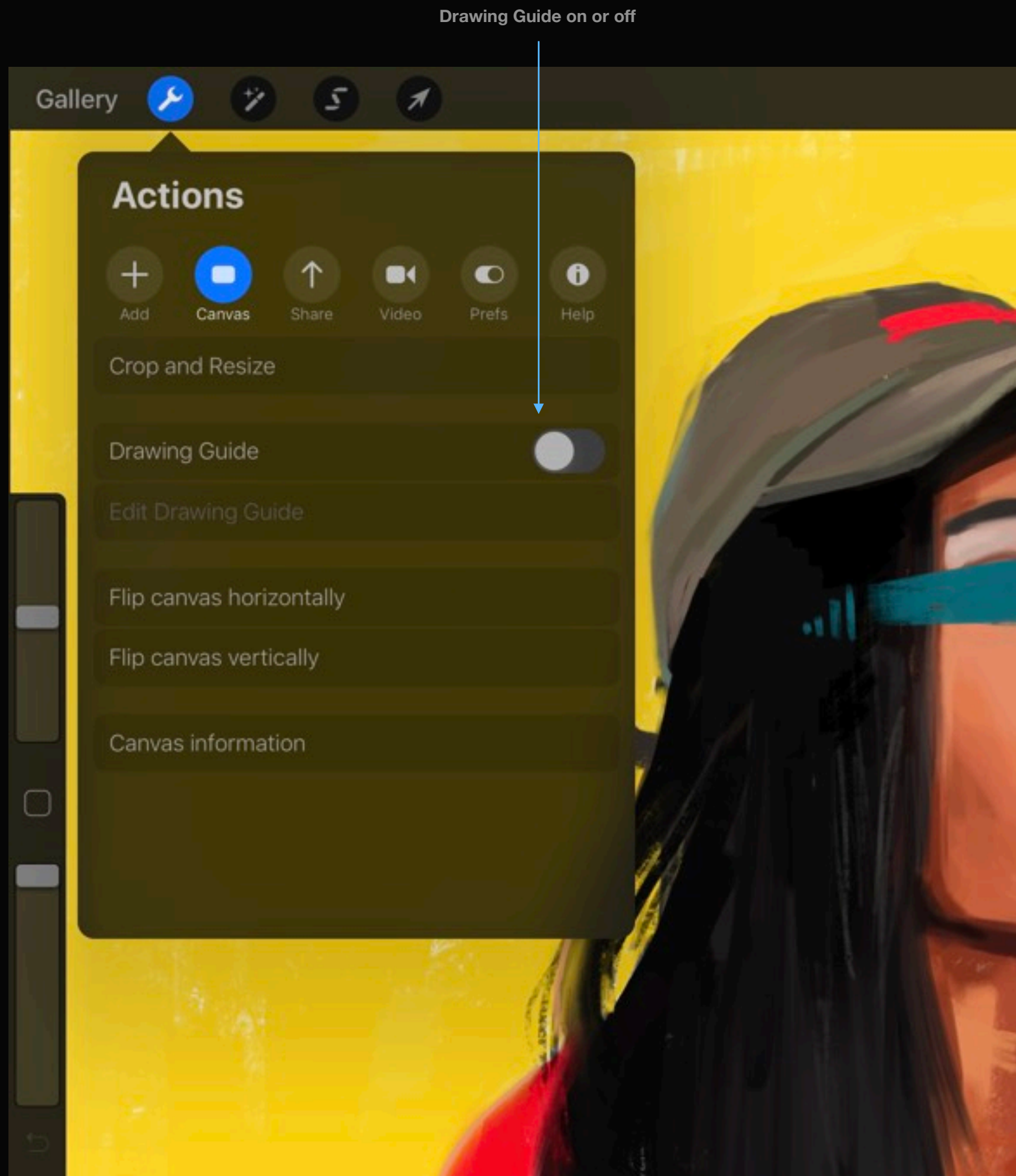
Crop and Resize artwork



Drawing Guide

Create 2D, Isometric, Perspective, or Symmetry guides that are unique for each canvas.

See page 394 to learn more about Drawing Guides.



Flip canvas

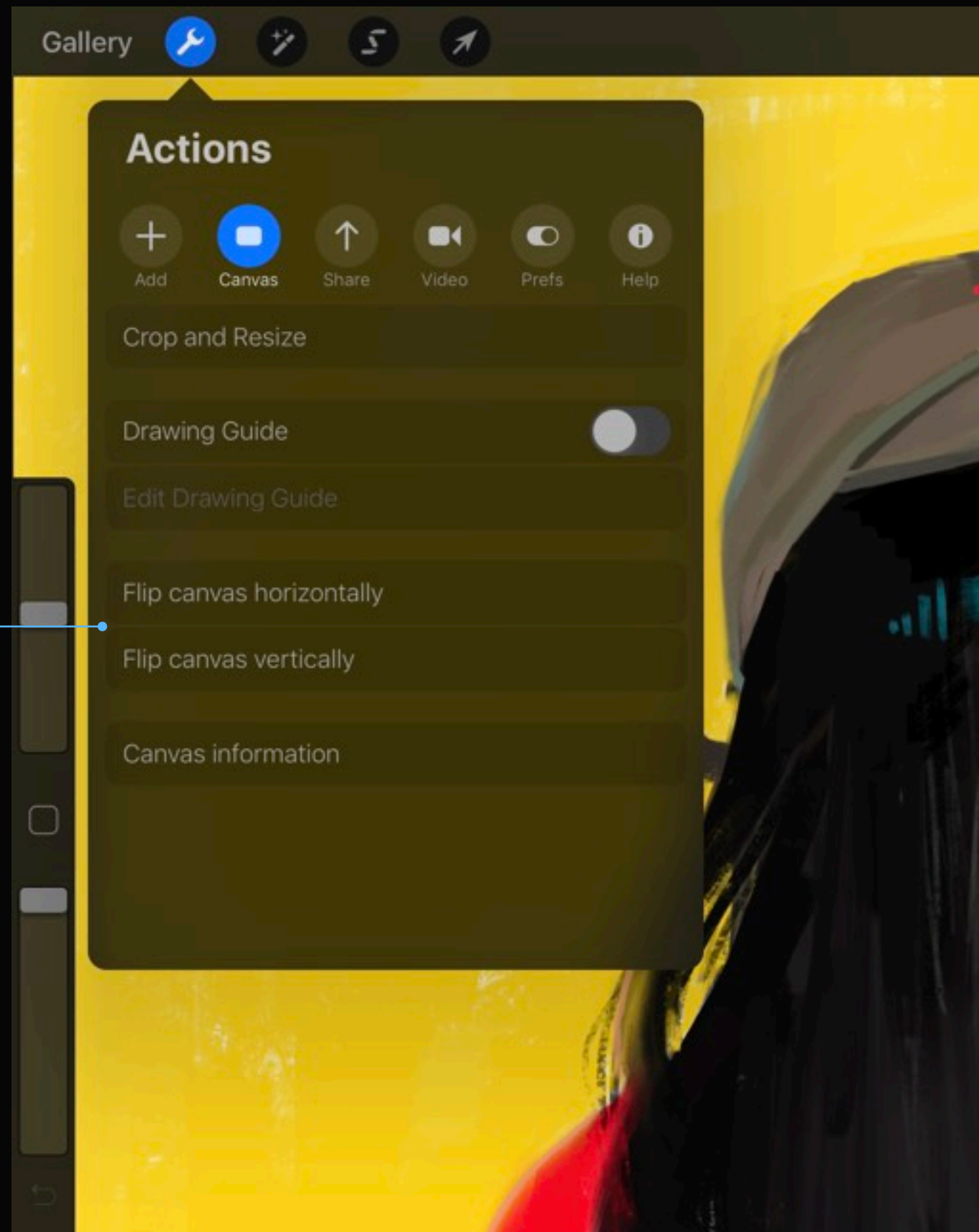
Many artists love to reverse their artwork to check their proportions. It's a great way to get a different perspective on your art!

To flip your canvas select the Flip horizontally or Flip vertically options. Your canvas will flip instantly.

Pro tip:

You can also flip your canvas from the QuickMenu. See page 427 to learn more.

Flip orientations

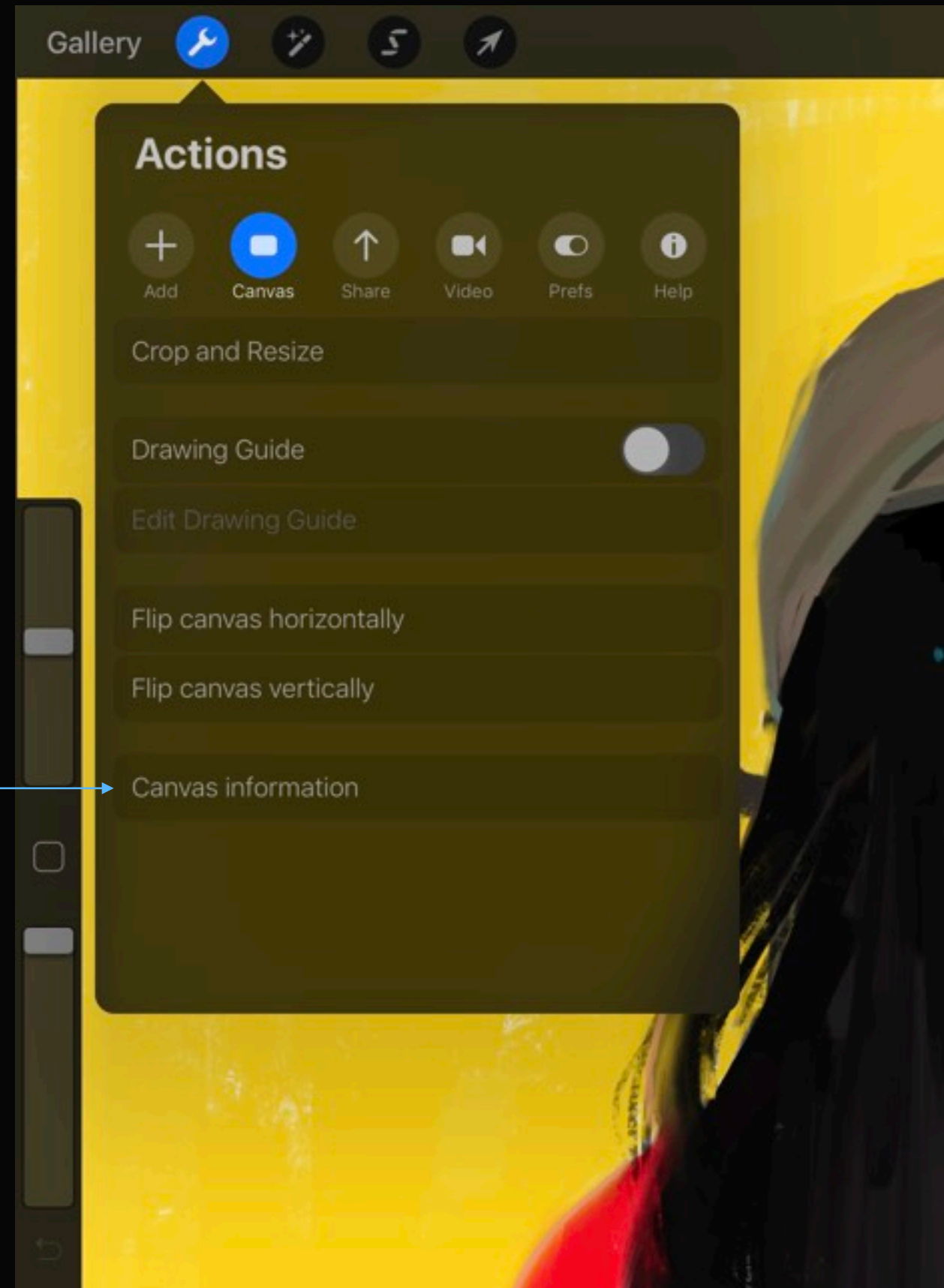


Canvas Information

Tap to view all the information about your working canvas.

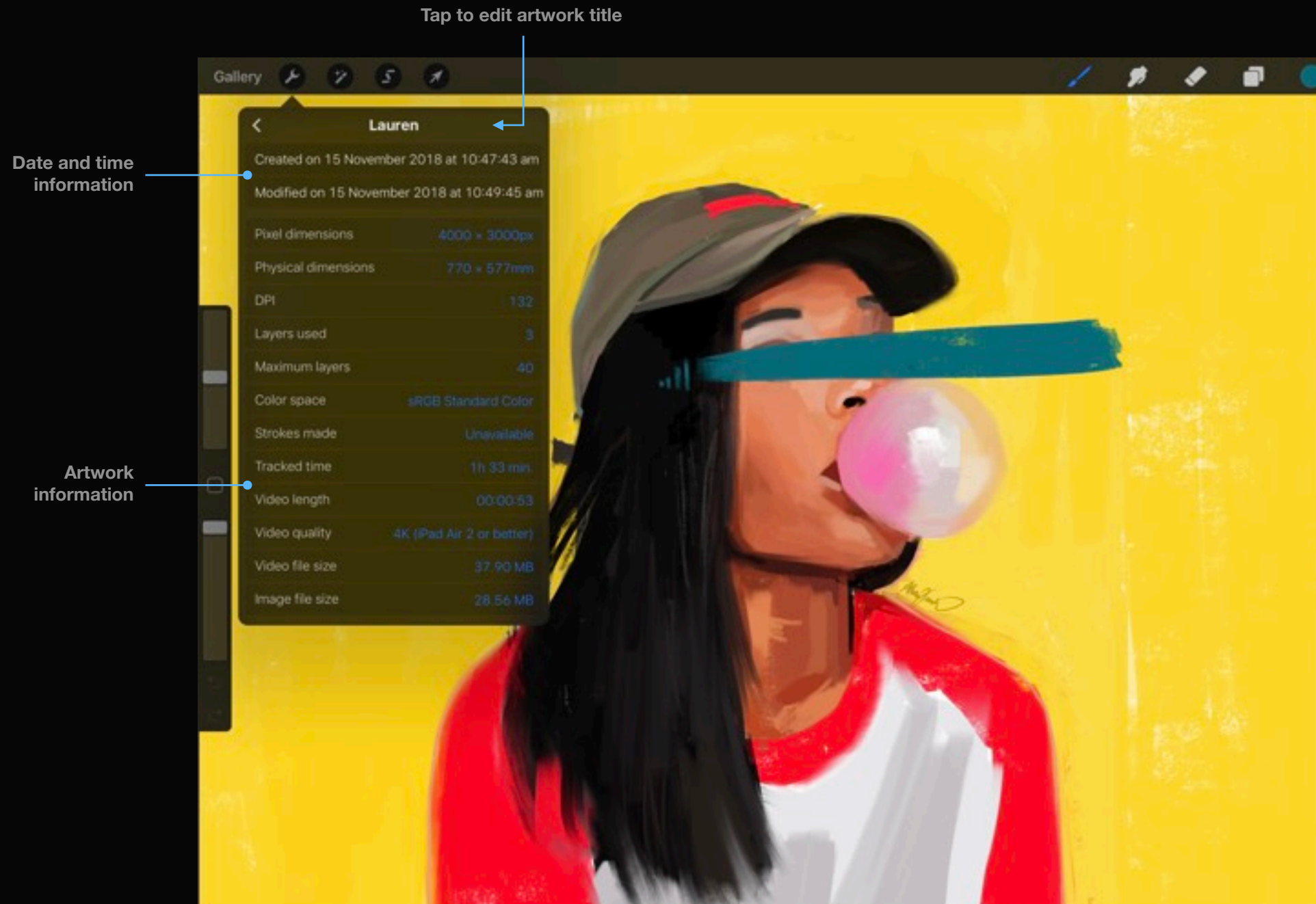
Tap Canvas Information to see all sorts of details about your canvas, including how many strokes you've made, how big the file is, and the length of your time-lapse video.

Artwork Details



Canvas Information

View comprehensive information about your current canvas, and even rename it without having to return to the Gallery.



Canvas information details

Date Created

The date your canvas was initially created.

Date Modified

The date this canvas was last modified on this device.

Pixel dimensions

This shows the pixel dimensions of your canvas. If you created your canvas in a physical measurement, the pixel dimensions are calculated from the physical dimensions and the DPI.

Physical dimensions

This shows the physical dimensions of your canvas, displayed in the measurement units you used when creating the canvas. If you created your canvas in pixels, the physical dimensions are calculated from the pixel dimensions and the DPI, and the default measurement units are based on your region.

DPI

This shows the DPI value set when the canvas was created. The DPI determines the relation between the physical and pixel dimensions of your canvas.

Layers used

This shows how many of your available layers you've currently used.

Maximum layers

This shows the maximum possible layers for this canvas. Layer caps change dynamically based on your canvas size and iPad model.

Color Space

This will tell you whether your current canvas was created in sRGB or P3 Wide Color.

Strokes made

This shows exactly how many paint, smudge, and erase strokes you've made on this canvas.

Tracked Time

This shows how much time you've spent working on this canvas.

Video length

This shows the current length of the recorded time-lapse video for this canvas.

Video Quality

This shows the time-lapse video quality setting for this canvas. See page 335 for more information about video quality settings.

Video file size

This is an estimate of the current size of the Time-lapse video for this canvas. See page 330 for more info about Time-lapse video.

Image file size

The canvas file size will increase with larger dimensions and more layers. This information can be helpful should you need to clear space on your iPad.

Section 4

Sharing artwork

Share directly to AirDrop, AirPrint, or to any connected service through Files app.

File formats

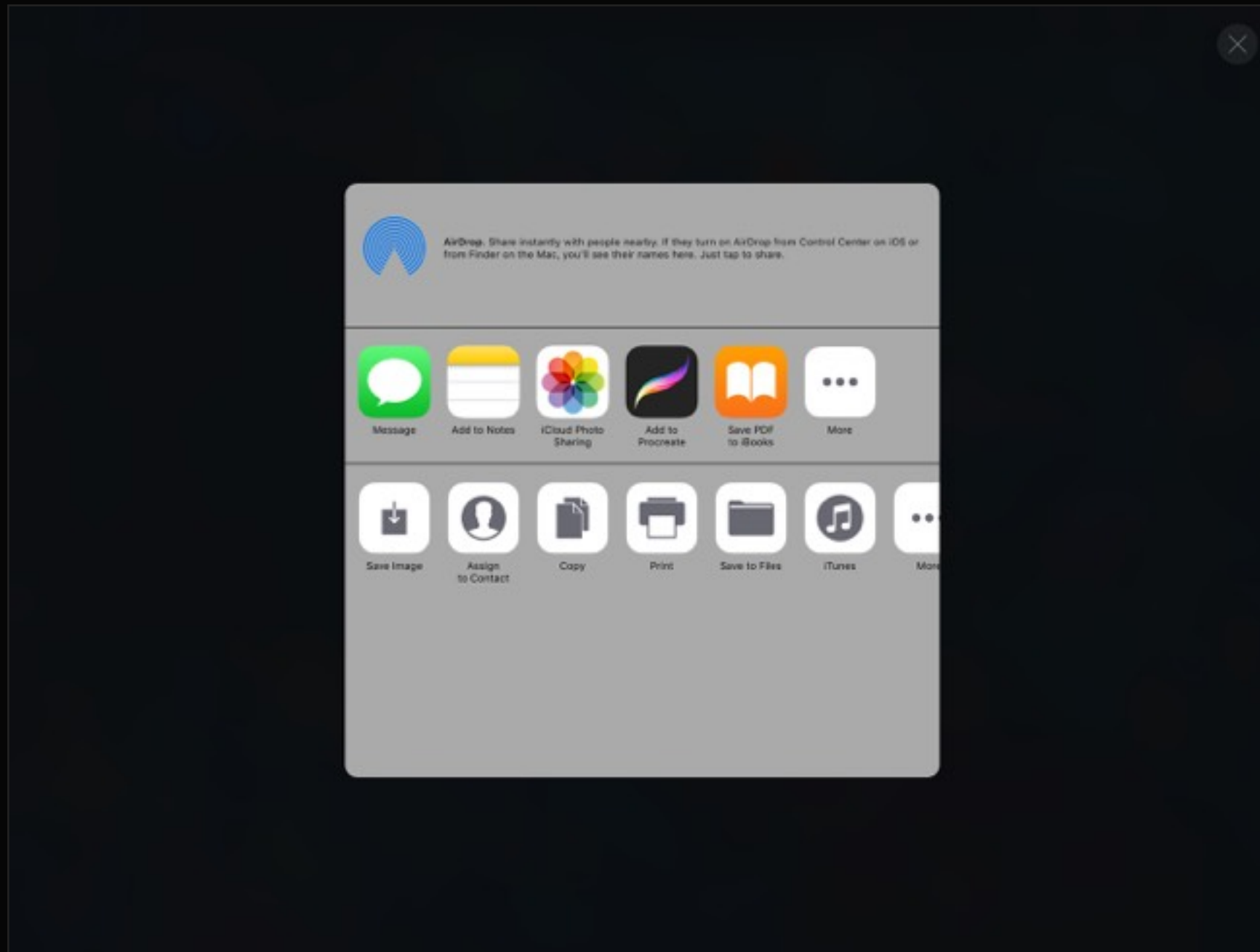
Procreate features several file formats with varying features suiting different purposes.

Tap one of the six formats to share your artwork instantly. For detailed information on supported export file formats in Procreate, see page 49.



Share Destinations

Procreate uses the iOS Sharing system so you can share directly to Files app, AirDrop, AirPrint, and any app or service that provides a document extension.



Section 5

Video actions

Toggle your Time-lapse recording, replay it right on your canvas, or broadcast your process live across the world.

Video options

Control and activate Time-lapse recording, Time-lapse Replay, and Live Broadcast.

In the Video tab you can toggle your Time-lapse recording, view your Time-lapse Replay, or start a Live Broadcast.

Pro tip:

When you disable Time-lapse recording, you'll be offered the choice to purge existing video. If you choose Purge, all existing video for this canvas will be deleted.

Watch Time-lapse

Enable Time-lapse recording

Start a live stream of your screen

Share your Time-lapse recording

Actions



Add



Canvas



Share



Video



Prefs



Help

Time-lapse Replay

Time-lapse Recording



Start Live Broadcast

Export Time-lapse video

Section 6

Time-lapse Replay

Procreate records a Time-lapse of your artwork while you create. You can replay your progress in the canvas, or export it in glorious high definition.

Procreate Time-lapse Replay

While you create your artwork Procreate is always recording in glorious high definition, up to 4K!

Every time you create an artwork, Procreate will make a beautiful Time-lapse video showing your progress from concept to completion. You don't need to enable anything, or set up complex preferences: it all just works out of the box. Simply paint, and at any time you can watch a Time-lapse Replay of your entire painting coming to life from sketch to finished piece.

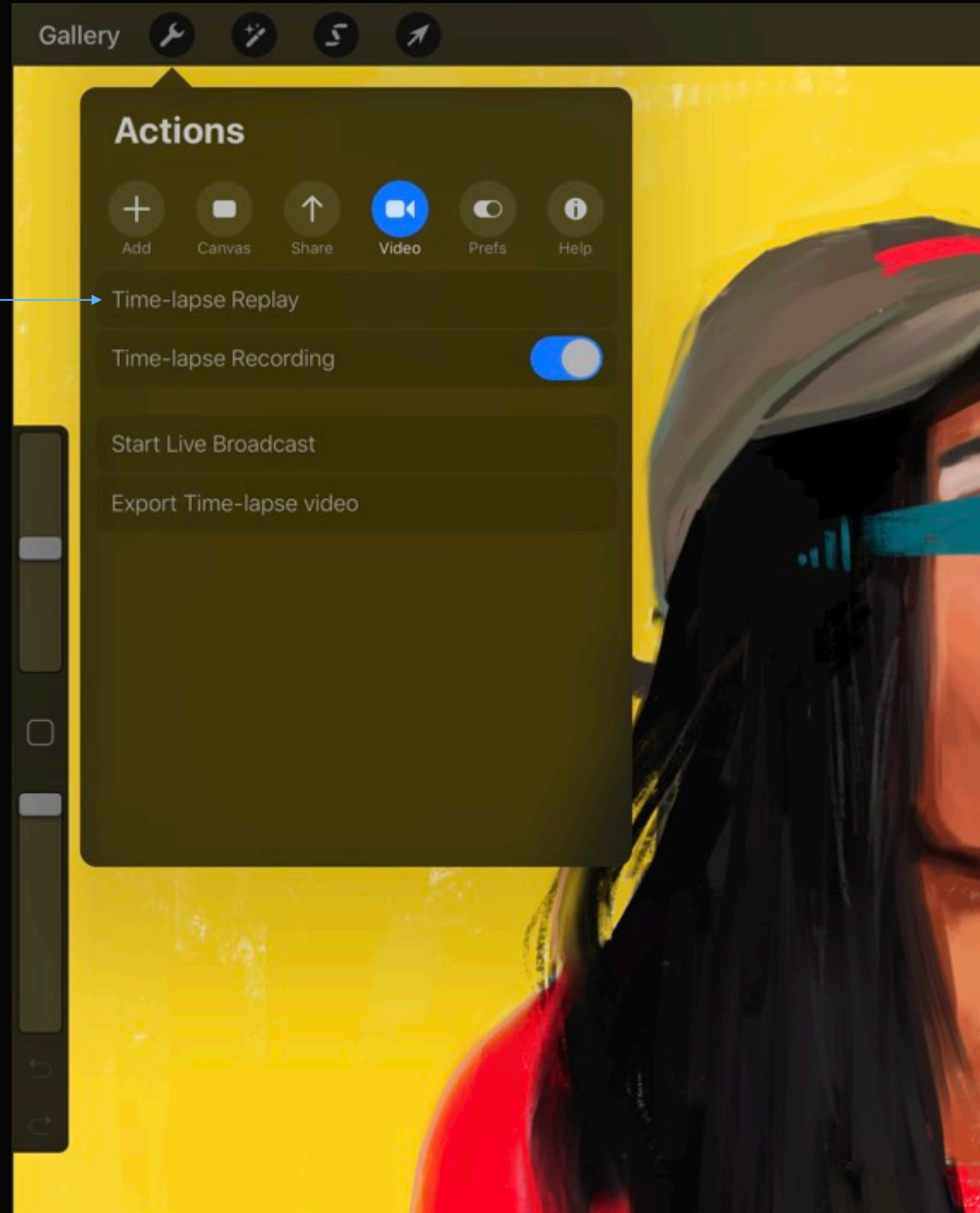


Watching a Time-lapse Replay

Just tap the Time-lapse Replay button to instantly start a replay of your Time-lapse, right on your canvas.

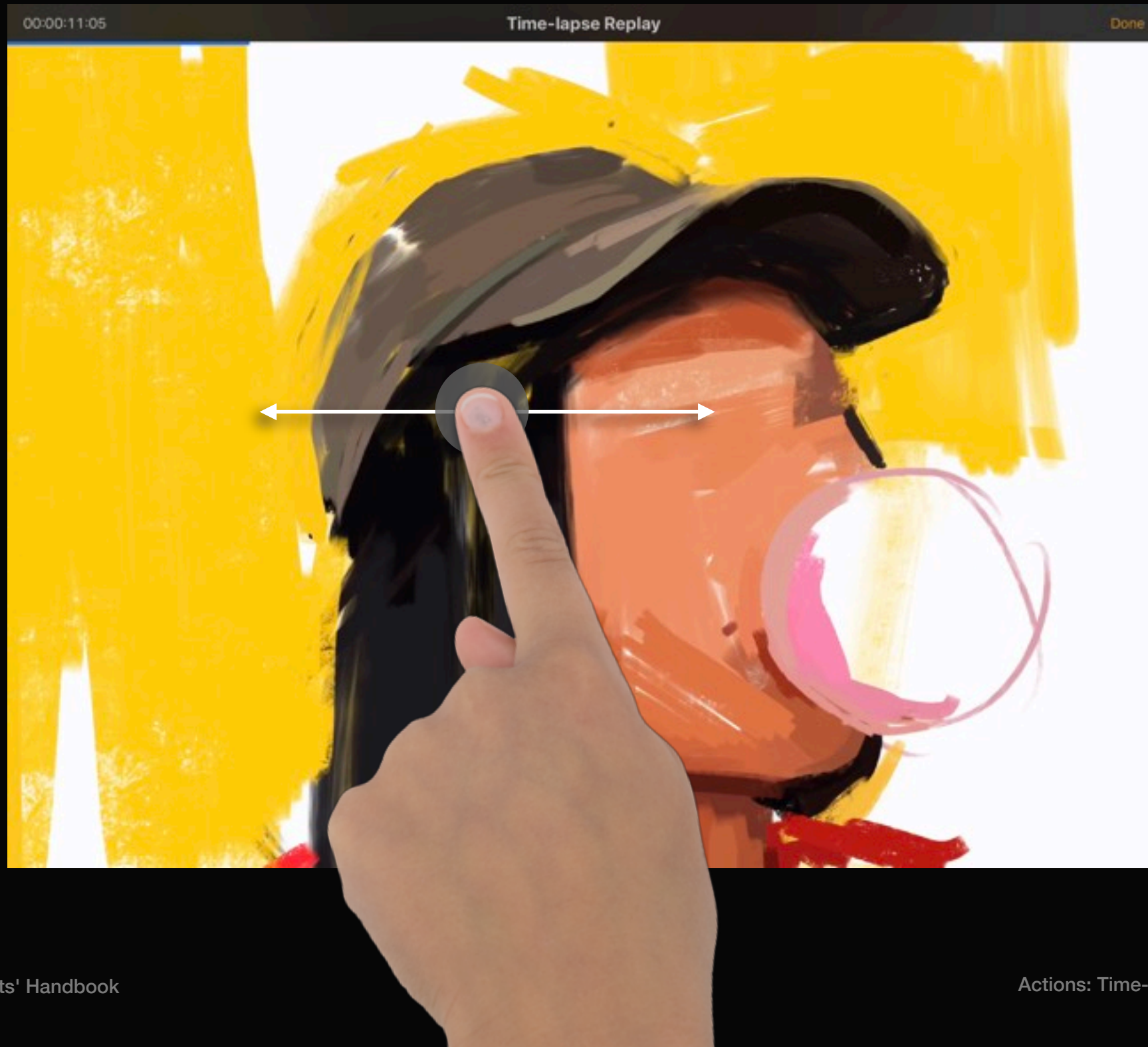
Your full recorded Time-lapse video will play back across your canvas, so you can see the entire journey of your canvas replayed at 30 frames per second.

Tap to watch
Time-lapse recording



Time-lapse controls

While the video is playing, you can scrub backwards and forwards by dragging your finger across the canvas. You can pinch zoom and move the canvas as normal while the video is playing, allowing you to change your viewpoint at any time. Tap the Done button to exit Time-lapse Replay.



Enabling Time-lapse recording

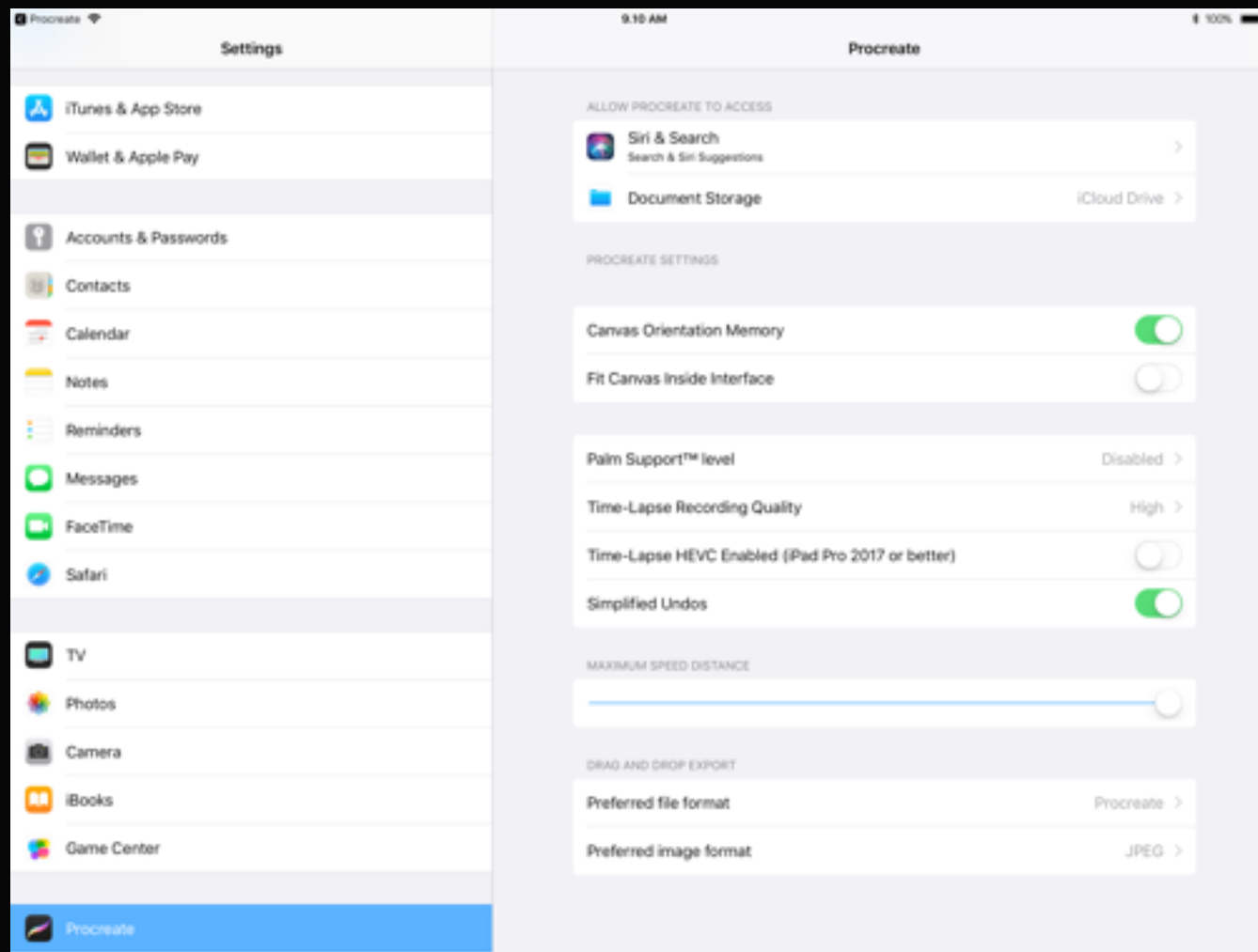
You can turn Time-lapse recording on or off at any time, on a per-canvas basis, by flipping the Time-lapse recording switch.

While Time-lapse recording is disabled, no Time-lapse video will be recorded to disk. You'll be asked if you wish to purge existing video. If you choose Purge, all existing video will be deleted.

Pro tip:

If you'd just like to "pause" recording while you make a few touch-ups, don't choose to purge.





Time-lapse video quality

Record and export your Time-lapse video in ultra high definition, up to 4K.*

You can set the quality for your Time-lapse recording in your iPad's Settings app. Any changes here will only apply to new canvases created after the change.

* 4K is only available on iPad Air 2 and iPad Pro models. Actual video resolution is determined by your canvas size, up to a maximum of 4096 by 4096 pixels.

See page 370 for more about Procreate's Advanced Settings.

Sharing Time-lapse videos

Share your process video to any connected app or service.

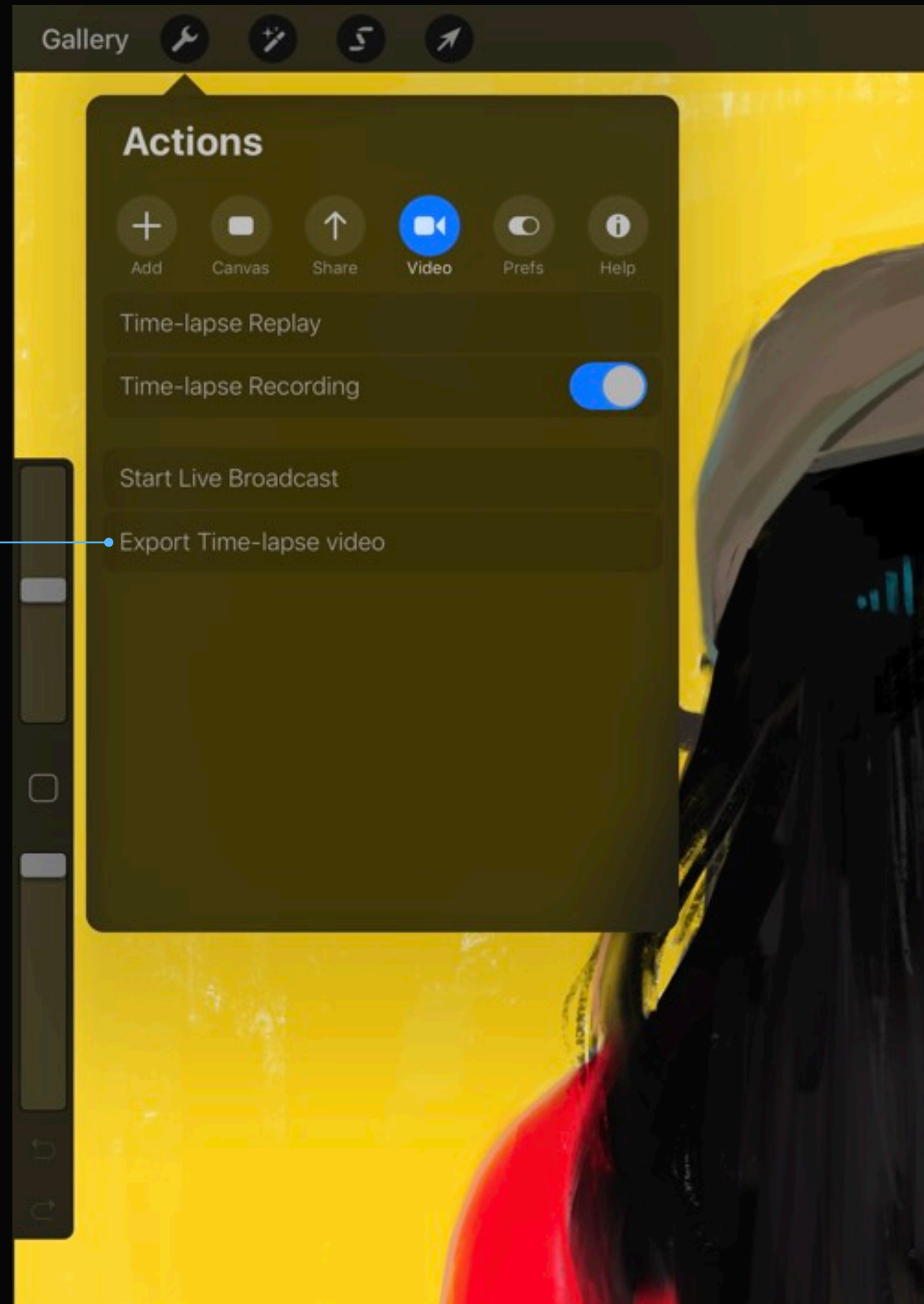
Seeing *how* someone creates a masterpiece can be just as interesting as the finished product. It's great for learning new techniques, too! Procreate can export your video to Photos, Mail, iTunes or any connected service through the Files app. The video will be automatically sped up too, to keep it interesting.

By exporting to Photos you can use the built-in sharing features of iOS, making it even easier to share with friends!

Pro tip:

Why not add some music to your video before you share it? There are some great video editing apps for iPad that can help you edit, re-time and add music to your video.

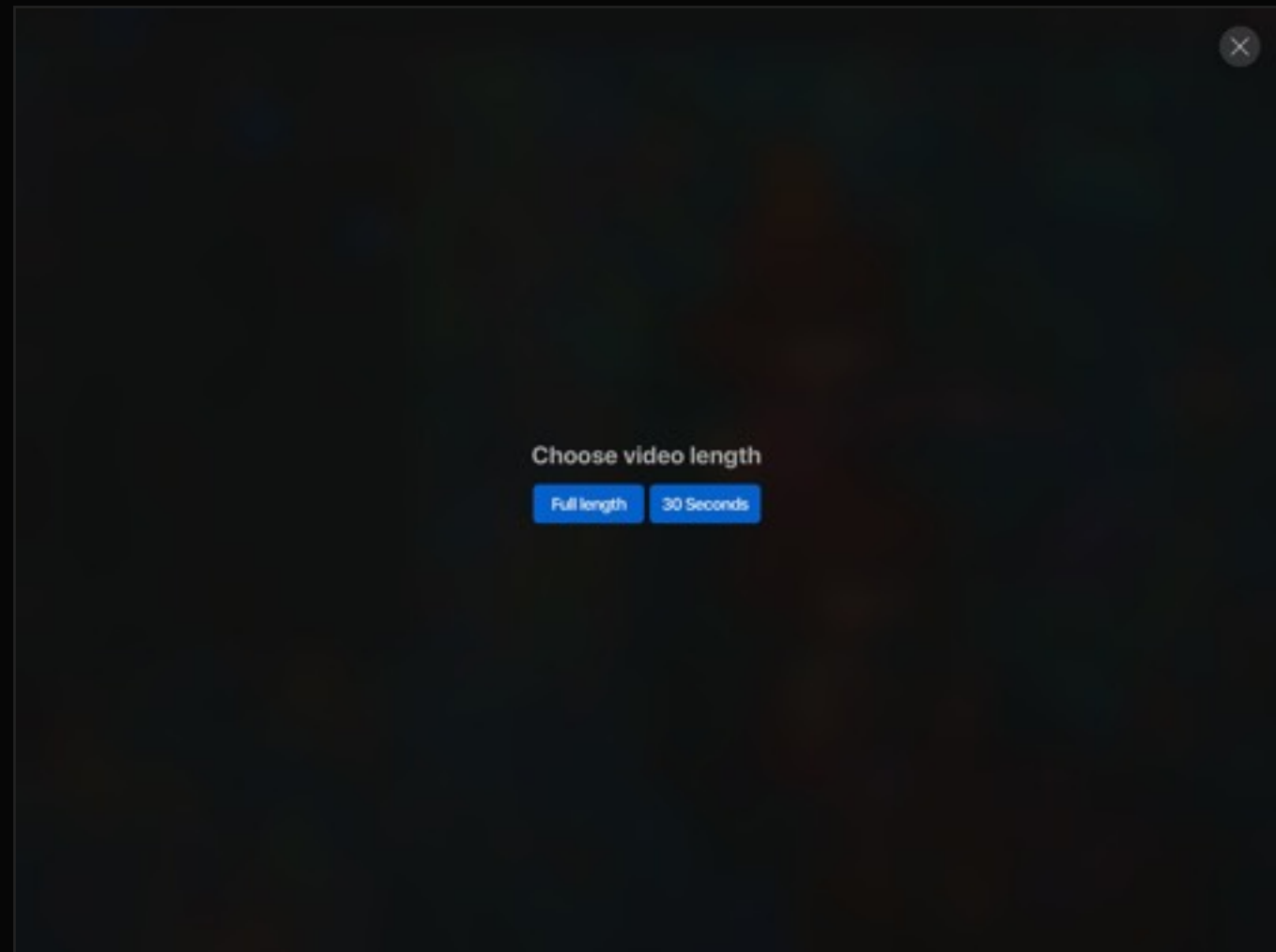
Tap to export
& share
Time-lapse
video



Time-lapse export options

Choose between a full export or a 30-second version.

When you export your Time-lapse Recording, you'll be given the option to choose a full-length export, or a shortened version. The 30-second Time-lapse will select the most important frames in the video to show the creation of the entire artwork in just thirty seconds.



Section 7

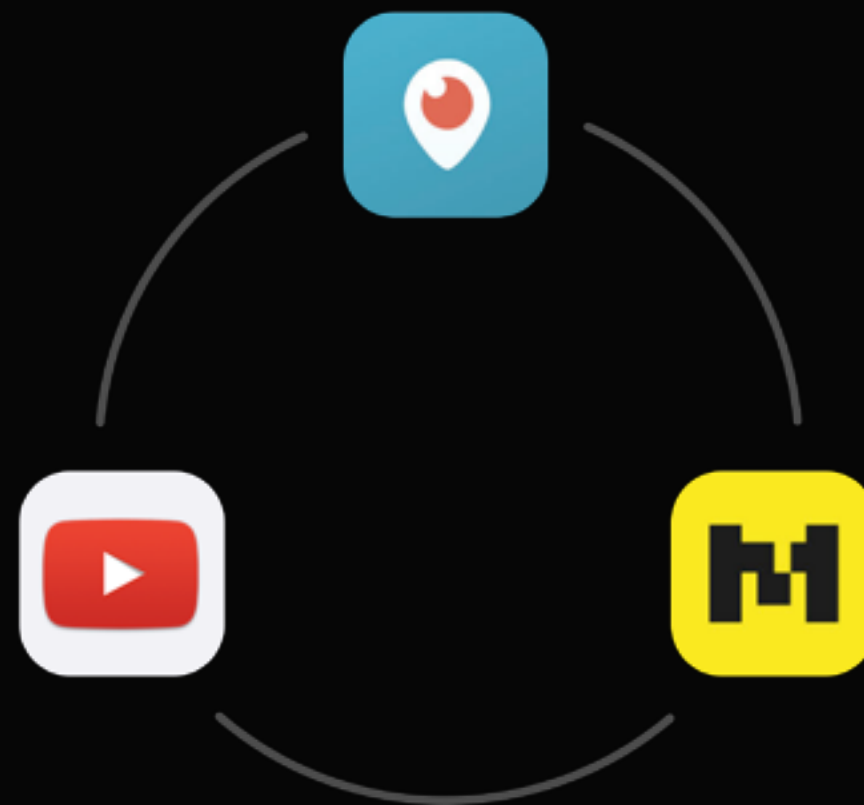
Live Broadcast

Broadcast live on your favorite streaming service, straight from Procreate.

Finding a broadcaster

Choose your favorite compatible broadcast service.

Procreate's Live Broadcast works in conjunction with any compatible video streaming service. Once you find a broadcasting service that suits you, and you've installed and set up the streaming app, you can start broadcasting from Procreate.

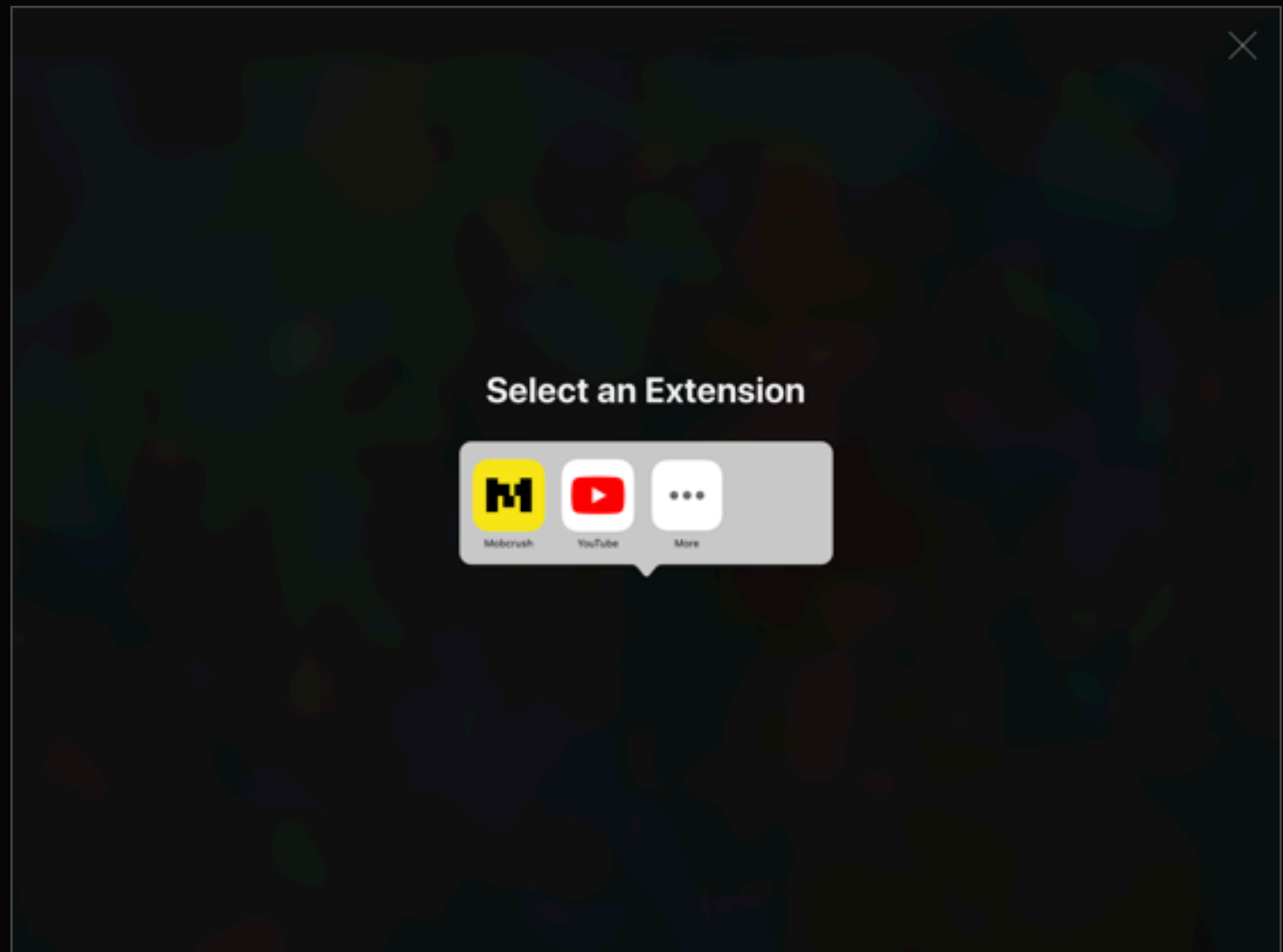


Going Live!

Step 1: Selecting your broadcaster

Tapping the Start Live Broadcast button will bring up a choice of any installed broadcast applications.

If there are no options, you may not have a compatible application installed.

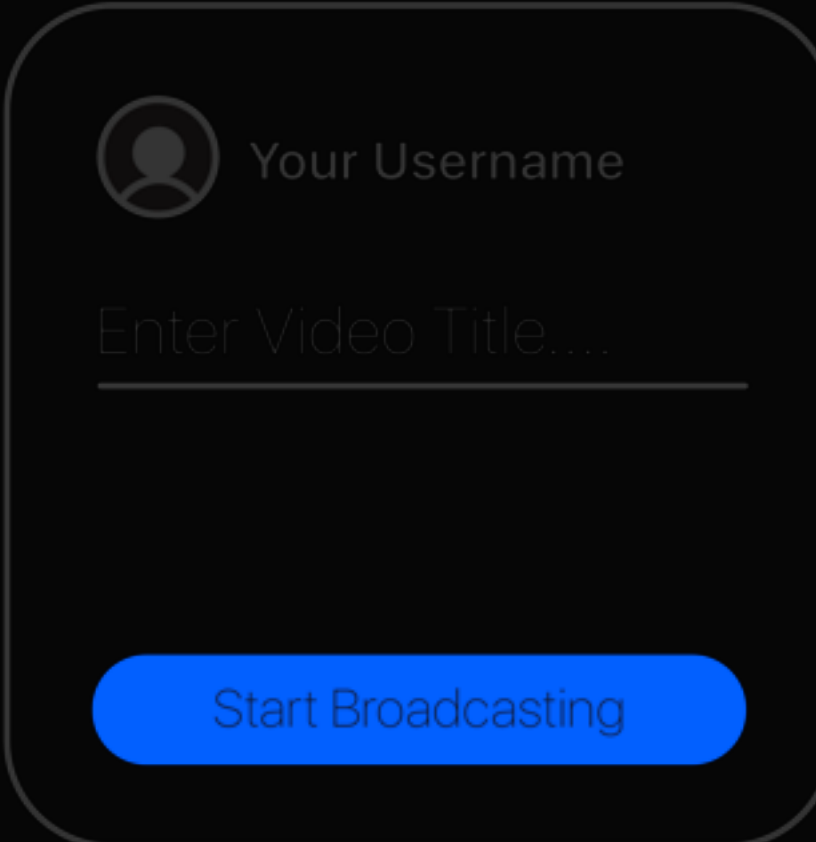


Going Live!

Step 2: Third-party interface

Choose a title, and start broadcasting.

Once you've chosen a broadcaster, that application will bring up an interface. You'll usually be required to choose a title, and tap a button that commences the broadcast.



Your Username

Enter Video Title.....

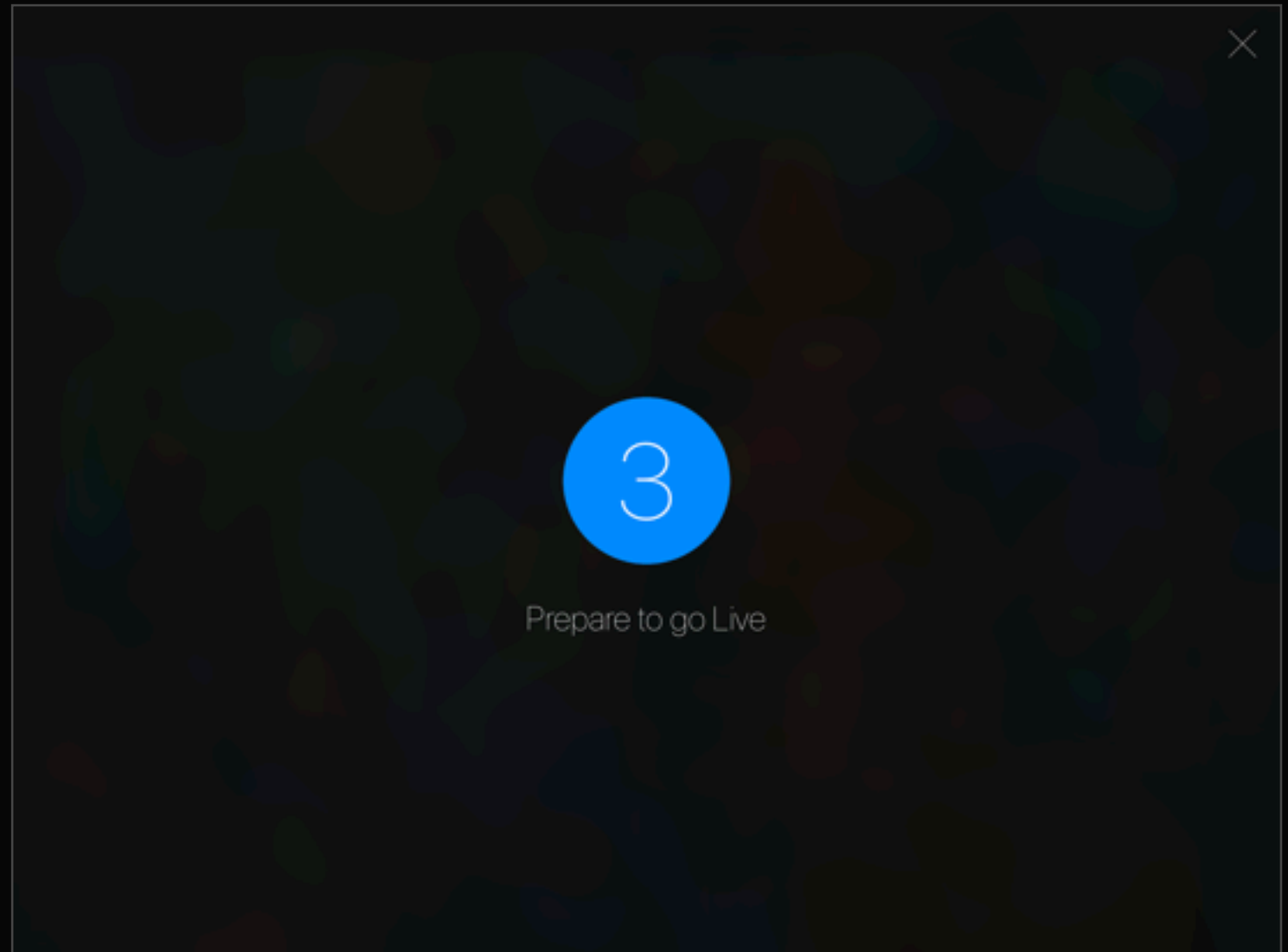
Start Broadcasting

Going Live!

Step 3: Countdown

You're nearly live!

Once you've commenced the broadcast through the third-party interface, you'll see a three second countdown until your broadcast begins. Once the countdown hits zero, you'll be live! If you've turned on Camera or Microphone in the Video menu, then these will be active when your broadcast begins.



Broadcast video controls

Toggle your camera and microphone while broadcasting.

Tapping the blue Video button while a broadcast is active will bring up other controls. Here you can toggle the camera or microphone mid-broadcast, or stop the broadcast. The first time you broadcast, the microphone will be on by default.

Pro tip:

Hold the blue Video button for a moment to stop the Live Broadcast instantly, without having to dive through the menu.



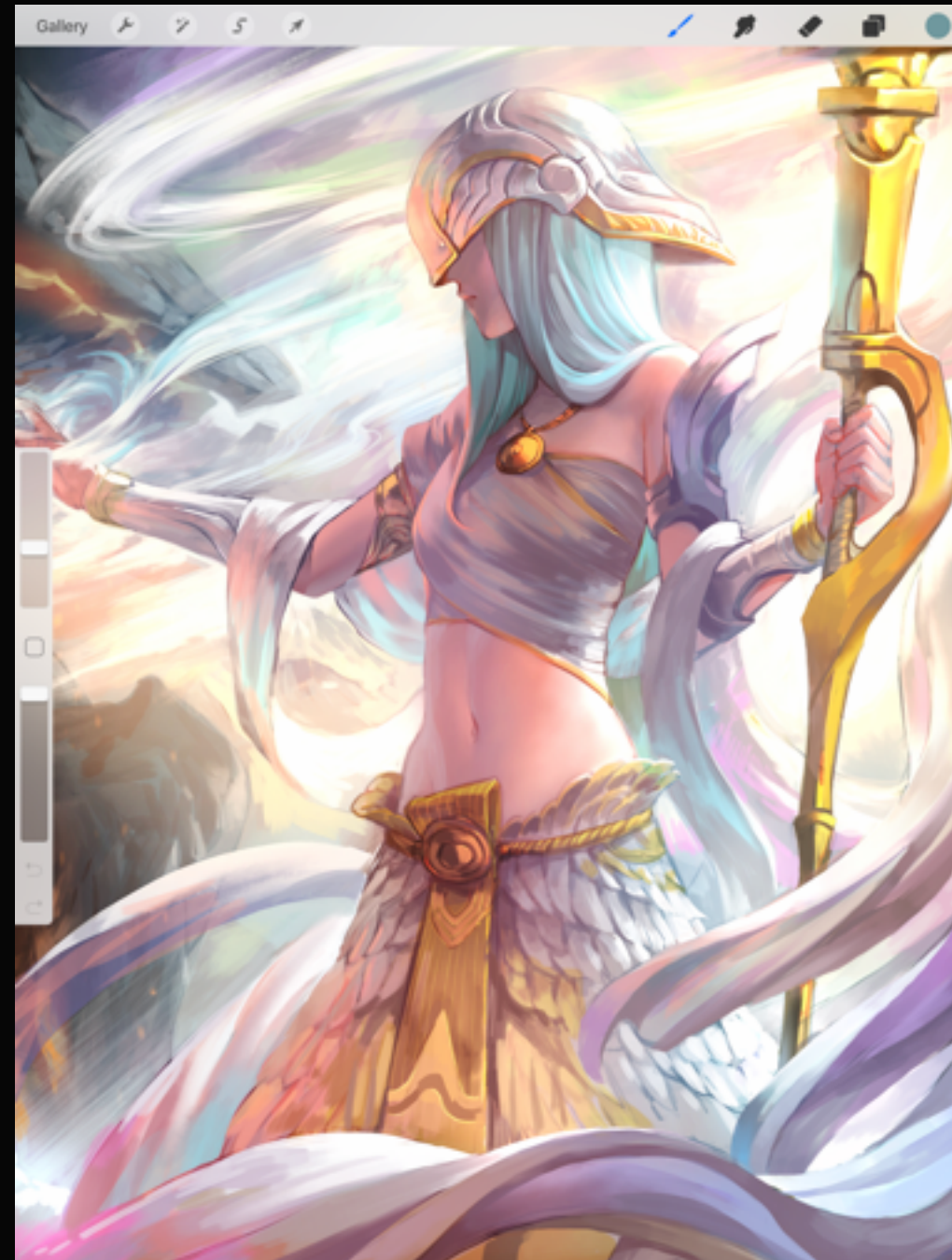
Section 8

Preferences

This is where you will find ways to customize Procreate to suit your workflow better. You can change the sidebar from left to right, toggle the brush cursor, set your selection mask visibility, and customize your Gesture Controls.

Dark or Light Interface

The unobtrusive charcoal interface keeps the focus on your artwork while the Light interface is great for higher contrast in bright environments.





Right-hand interface

Toggle the right-hand interface to move the sidebar to the other side of the screen.

By default, the sidebar will be on the left side of your screen. Toggle this switch to move the sidebar to other side of your canvas.

Right handed
precision sidebar

Brush Cursor

Turn the cursor on so you can always see where you're marking your canvas.

With Brush Cursor on, the outline of your Brush Shape will always appear when you touch the canvas, so you can see the outline of the marks you're making, even at low opacities.

Active Brush Cursor



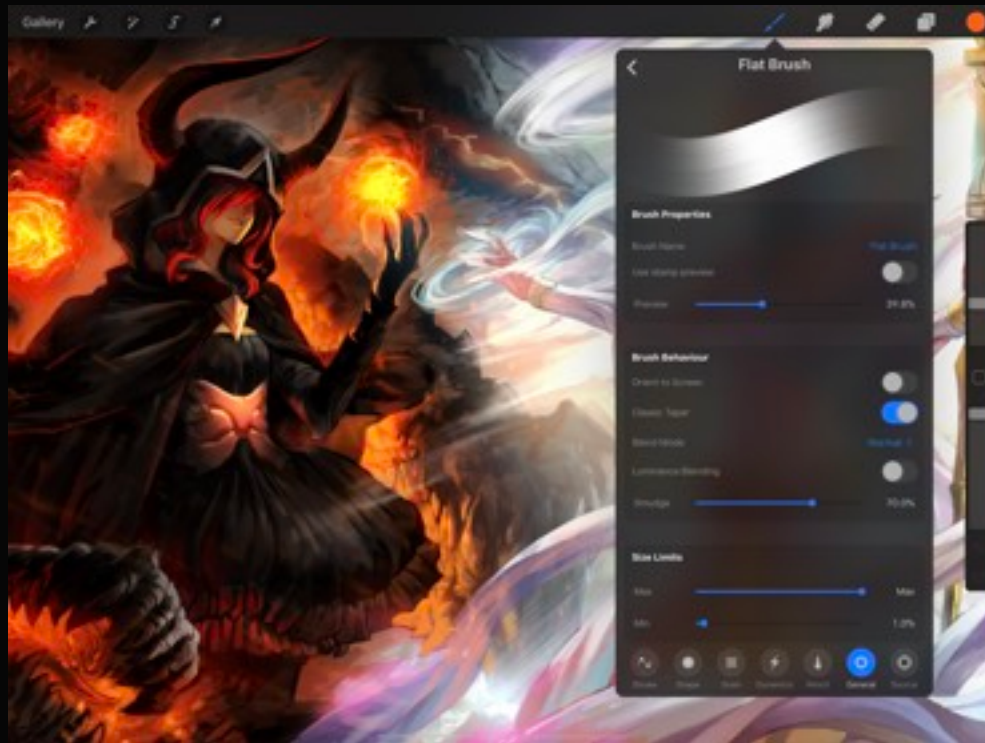
Project Canvas

Stream just your canvas to a second display, without interface or interruptions.

When you mirror your iPad to a second display with Project Canvas active, the second display will show only your canvas in Full Screen. There'll be no interface, no zoom, and no interruptions.

Pro tip:

Just turn Project Canvas off to return to normal display mirroring.



Your view



Second screen view

Rapid Undo delay

Use the slider to control the delay before Rapid Undo and Redo kick in.

Hold down two fingers on the canvas to invoke Rapid Undo, or three fingers to invoke Rapid Redo. This slider controls how long you have to hold before Rapid Undo or Redo will invoke.

Drag the slider to the right to increase the delay, or left to decrease the delay. Dragging the slider all the way to the left will disable Rapid Undo and Rapid Redo completely.



Selection mask visibility

Adjust the strength of the Selection Mask to suit you.

Adjust this slider to increase or decrease the visibility of the Selection Mask. As you adjust the slider, you'll see a preview of the mask over the canvas so you can set visibility to suit you.



Section 9

Connecting styluses

Find information on how to connect and work with smart styluses supported by Procreate.

Choose your stylus

When you open the stylus menu, you'll see a list of the supported device families.

Selecting your stylus brand will enable the SDK (Software Development Kit) that makes your stylus work with Procreate.

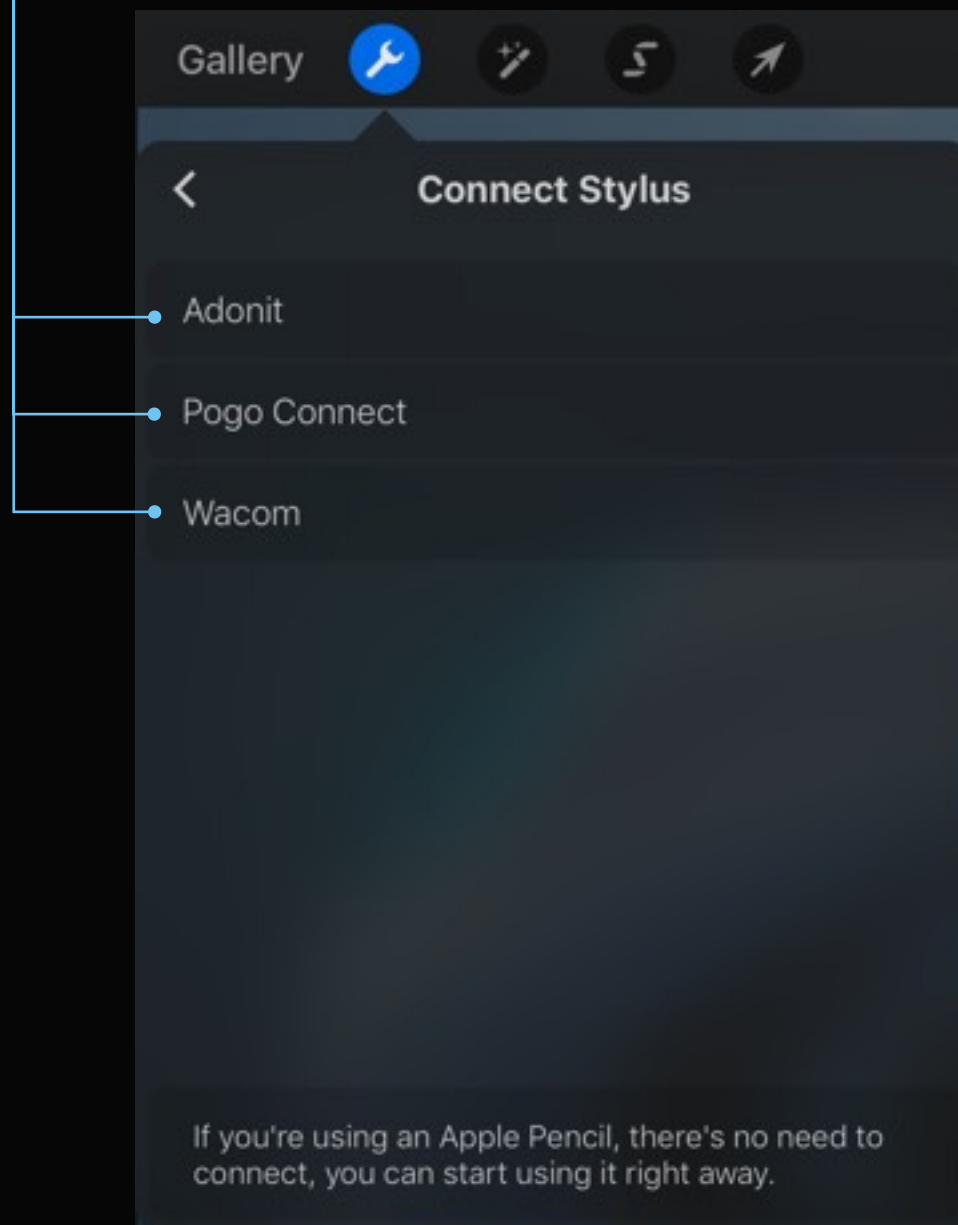
Procreate will scan for your device and if you've turned it on, once found the panel will update to reveal a host of options.

At any time you can turn off the SDK and return to finger painting by tapping 'None' on the left of the menu.

Pro tip:

Apple Pencil doesn't need to be connected here - if it's paired with a compatible iPad, it'll just work with Procreate.

Select stylus



If you're using an Apple Pencil, there's no need to connect, you can start using it right away.

Stylus information

When you connect your smart stylus, you will see the panel update to list several options and readouts.

Customize your buttons

Choose a function to assign to your button(s) for quick and easy access. Think about what features you use the most and see if they are there!

Stylus readouts

The stylus can send Procreate a small amount of information. Once your stylus is connected, this will update with the relevant information.

Third-party stylus options



How Procreate works with smart stylus pressure

When you have a smart stylus connected, Procreate will dynamically alter the opacity and/or thickness of a brush to simulate real life.

For instance, changing the Pressure Opacity slider to Max will strongly affect the opacity strength as you apply pressure.

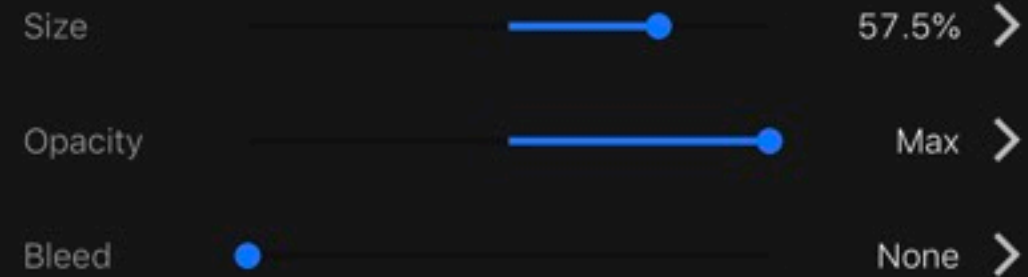
Pressure Bleed applies a threshold to your entire brush, which is then mapped to pressure. A high Bleed setting means that the brush will have less detail and impact with light strokes. The brush detail will bleed through to the canvas as pressure is increased.

Just like with Opacity, setting Pressure Size to Max will strongly affect how large the brush gets according to the pressure you apply.

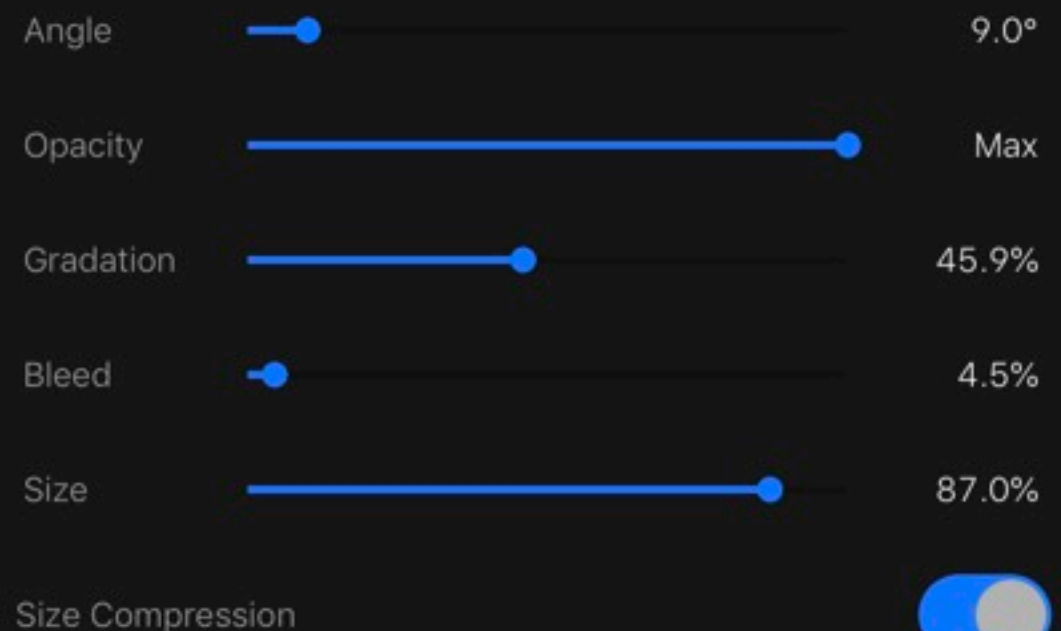
Pressure Softness controls the attack of the pressure input: larger values mean a more gradual application of pressure.

Stylus behavior

Apple Pencil Pressure



Apple Pencil Tilt



Stylus options

How Procreate works with Apple Pencil tilt

With Apple Pencil, you can let the tilt angle control your opacity and size.

‘Tilt Angle’ determines the angle the Apple Pencil must be at to begin invoking Tilt effects.

‘Tilt Opacity’ increases the opacity of the stroke when the Apple Pencil is perpendicular to the screen. The bigger the value, the more opaque the stroke will be when Apple Pencil is upright.

‘Tilt Gradation’ applies graded opacity from the outside edge of your brush shape.

‘Tilt Bleed’ applies a threshold to your entire brush, which is then mapped to Tilt. A high Bleed setting means that the brush will have less detail and impact with light strokes. The brush detail will bleed through to the canvas as the tilt angle is increased.

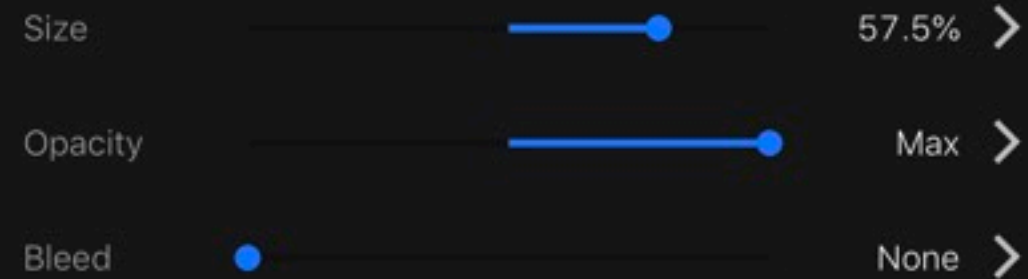
‘Tilt Size’, like Tilt Opacity, will increase your brush size based on the Apple Pencil tilt angle.

‘Tilt Size Compression’ compresses the brush size when tilted, simulating the behavior of a traditional pencil.

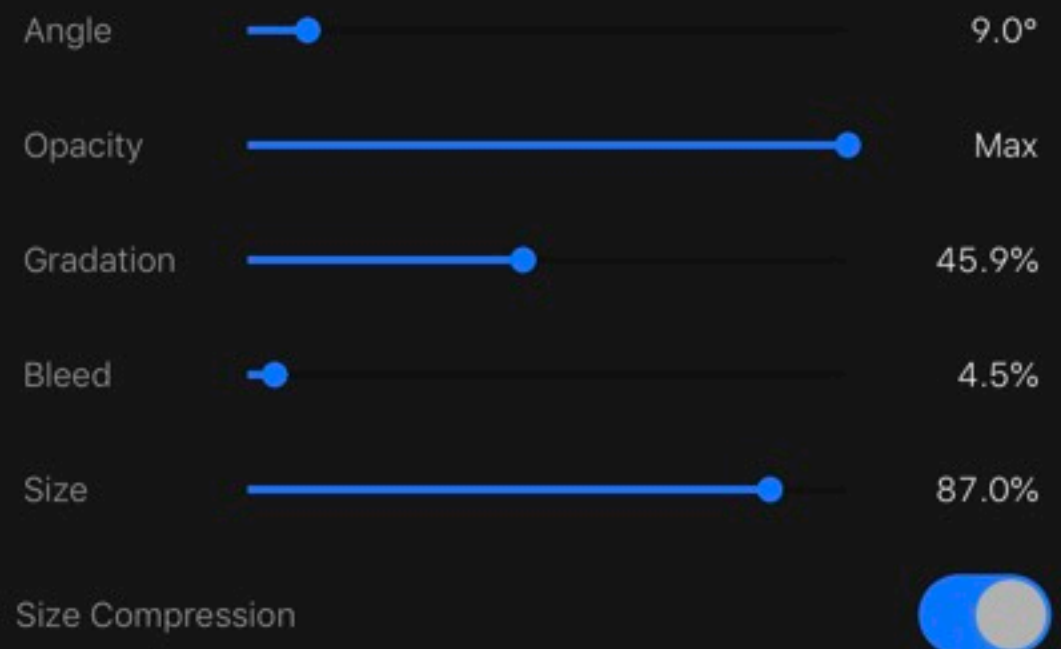
Pro tip:

Tilt is only available with Apple Pencil.

Apple Pencil Pressure



Apple Pencil Tilt



Section 10

Edit Pressure Curve

Tweak Procreate's overall Pressure Curve to match your stylus sensitivity to your preference.

Pressure Curve

How your stylus should respond to pressure input can be a very personal thing. The customizable Pressure Curve allows you to set the feel to your precise preference.

Tap to create points

Add up to 4 points for a total of 6 points, and drag them around the screen to change the curve. Simply tap points to remove them.

Reset

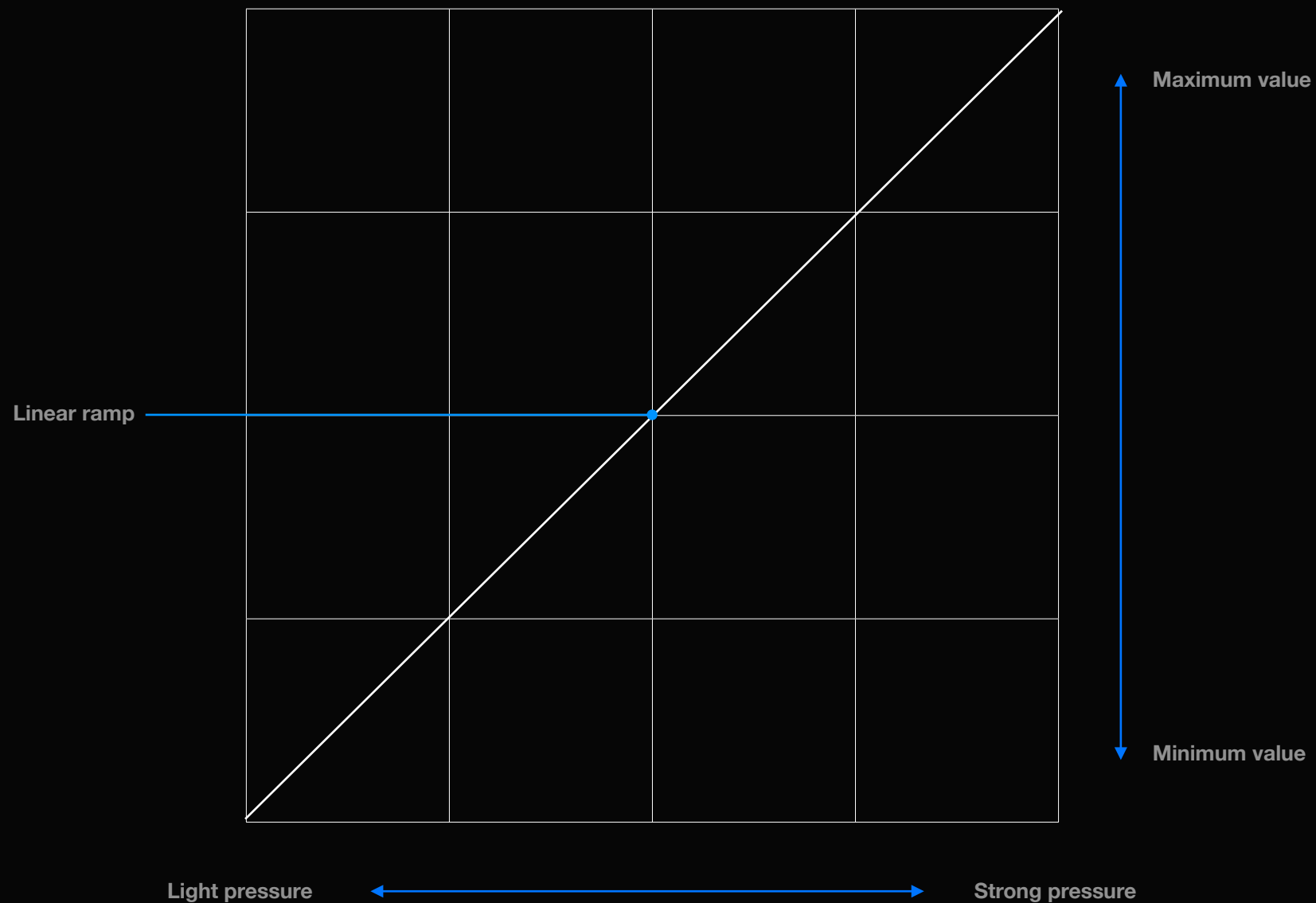
You can go back to the default flat input curve at any time by tapping the Reset button.



Pressure Curve explained

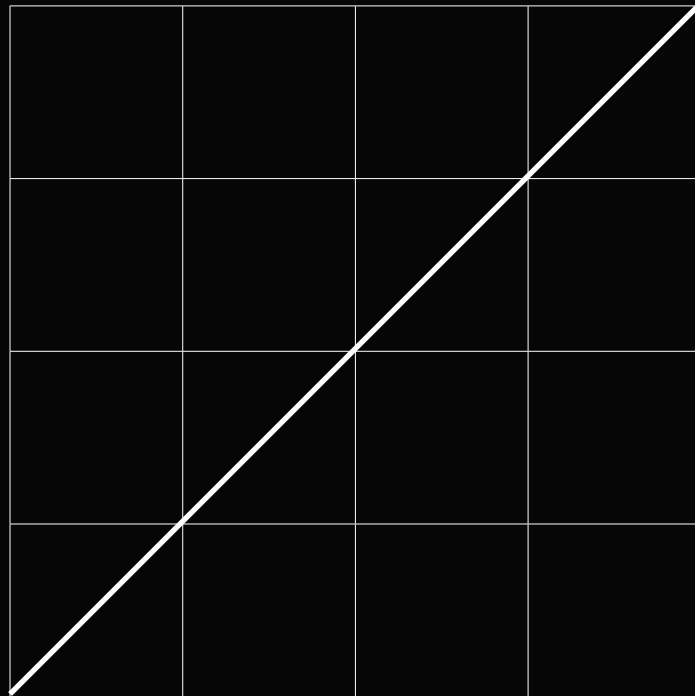
Customize exactly how your stylus will react to pressure

The huge dynamic range of Apple Pencil means that you need to press quite hard to reach maximum opacity. While you can configure pressure behavior per brush, Pressure Curve allows you to modify the *overall* sensitivity to suit your drawing style.



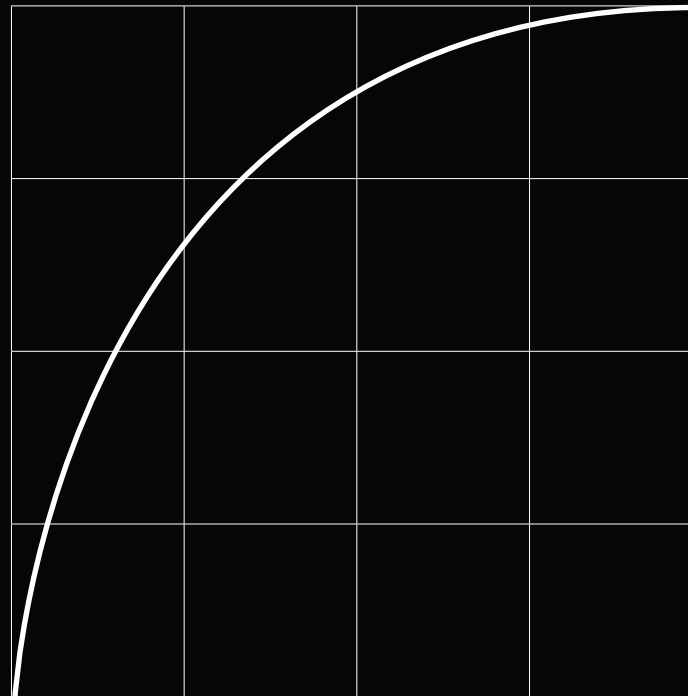
Pressure Curve examples

There are many different approaches to pressure input. Try a few to find your preferred fit. Here are just a few of the more common examples.



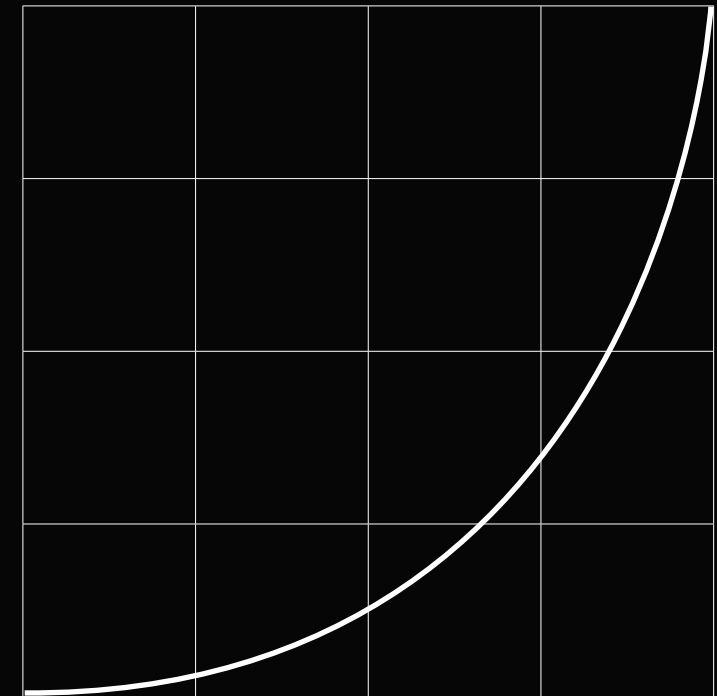
Linear

This is the default setting. Procreate will read your pressure exactly as it's delivered by Apple Pencil.



Aggressive

Quickly ramp up the pressure towards maximum as you press. Great for folks who have a delicate touch.



Subtle

Pressure adds much more slowly, but ramps up as you press really hard. Suited to people who like to press hard on the screen.

Section 11

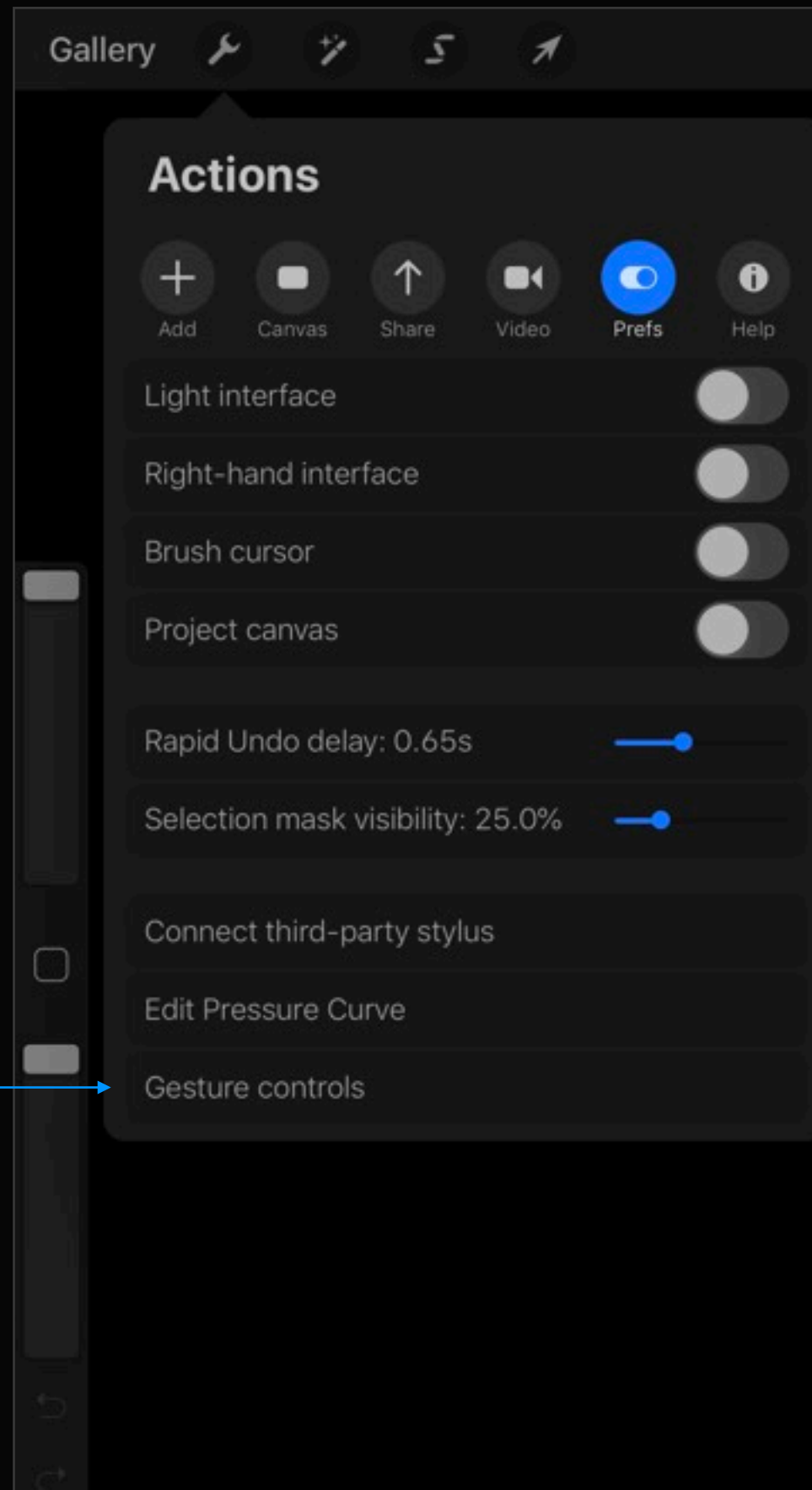
Gesture controls

Use the Gesture controls to customize exactly how you interact with your canvas, making your workflow as efficient as possible.

Accessing the Gesture controls

Tap the Gesture controls item in the Prefs menu.

Tap to open

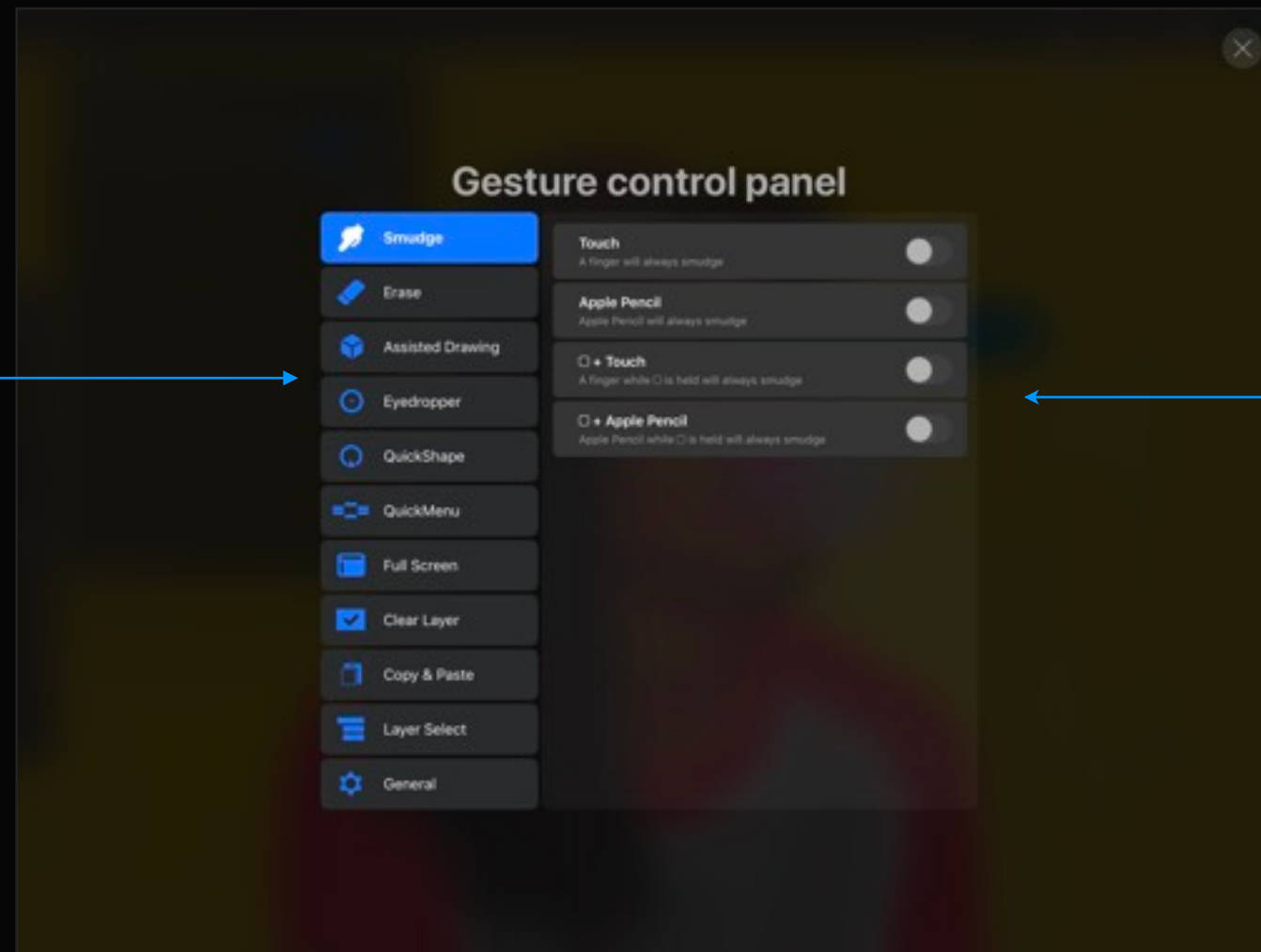


Taking control

The left side of this menu lists the different features you can control in Procreate. Use the right side to choose how you'd like to invoke the selected feature.

Each feature has a number of different control options, and you can choose as many of the available options as you like. However, each gesture can only be assigned to one feature at a time. If you choose a gesture that's already assigned to another feature, a warning sign will appear to indicate the conflict.

Feature list



Gesture options

Pro tip:

Some features, like QuickMenu and Layer Select, aren't enabled by default. Choose a gesture option in this menu to enable them.

Painting Controls

These three features can affect your painting on the canvas.

Smudge (1)

If any of these options are active, paint strokes made with that method will always smudge, no matter which tool is selected.

Erase (2)

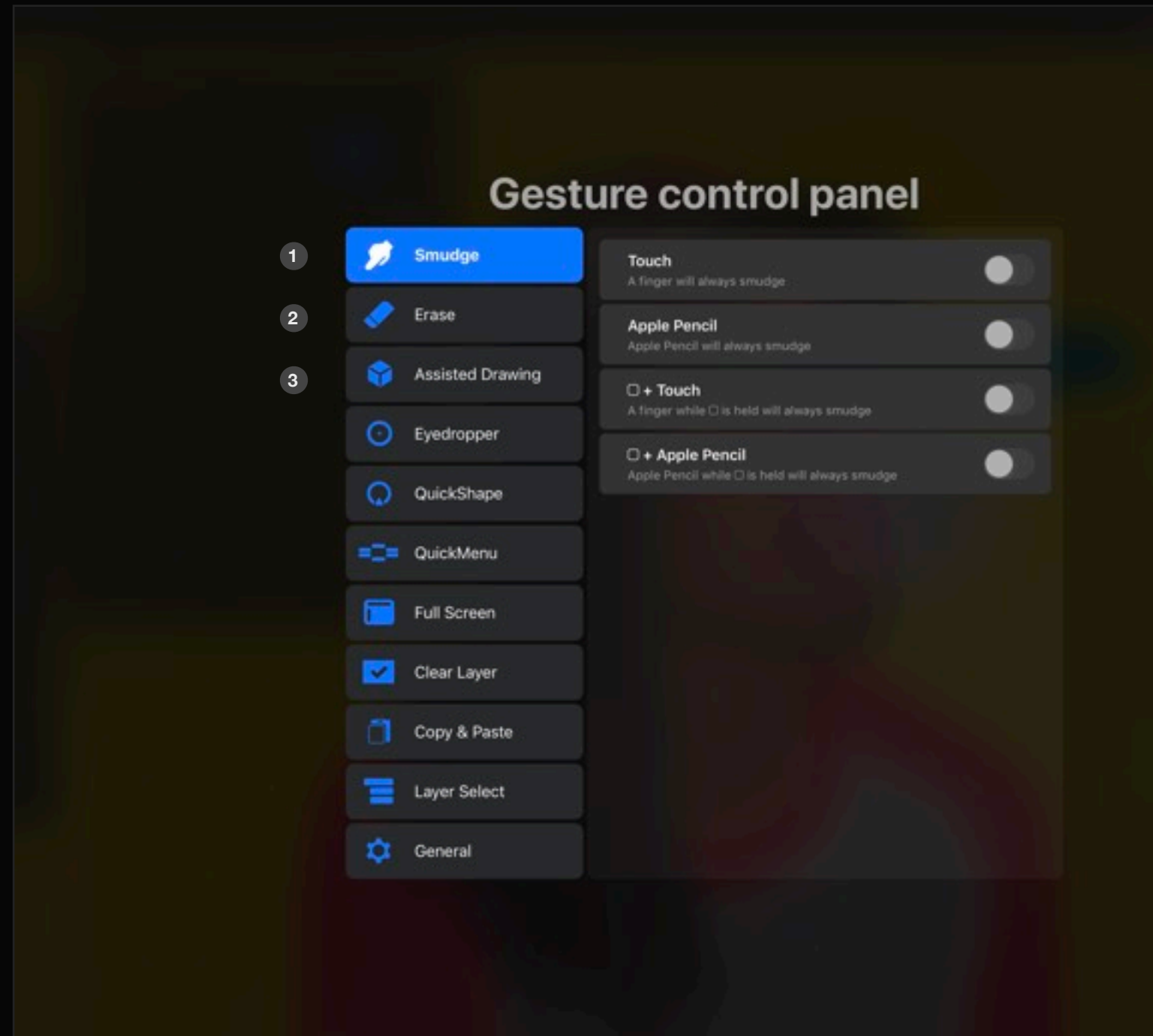
If any of these options are active, paint strokes made with that method will always erase, no matter which tool is selected.

Assisted Drawing (3)

The 'Tap []' and 'Apple Pencil double-tap' options will toggle Drawing Assist on the current layer. If any of the other options are active and a Drawing Guide exists, paint, smudge, and erase strokes made with that method will always be Assisted and snap to the guide, even if the current layer is not Assisted.

If 'Apple Pencil' is not selected in any of these three sections, then painting with your Apple Pencil will always adhere to the current tool and layer status.

See page 421 to learn more about Assisted Drawing.



Advanced Features

Sample colors from the canvas with the Eyedropper, draw accurate shapes with QuickShape, and instantly access other features with QuickMenu.

Eyedropper (4)

Choose the method to invoke the Eyedropper. On 'Tap []' or 'Apple Pencil double-tap', the Eyedropper will invoke in the same place you last marked the canvas, and can be dragged to your desired location. With all methods, the Eyedropper will dismiss when you lift off the canvas.

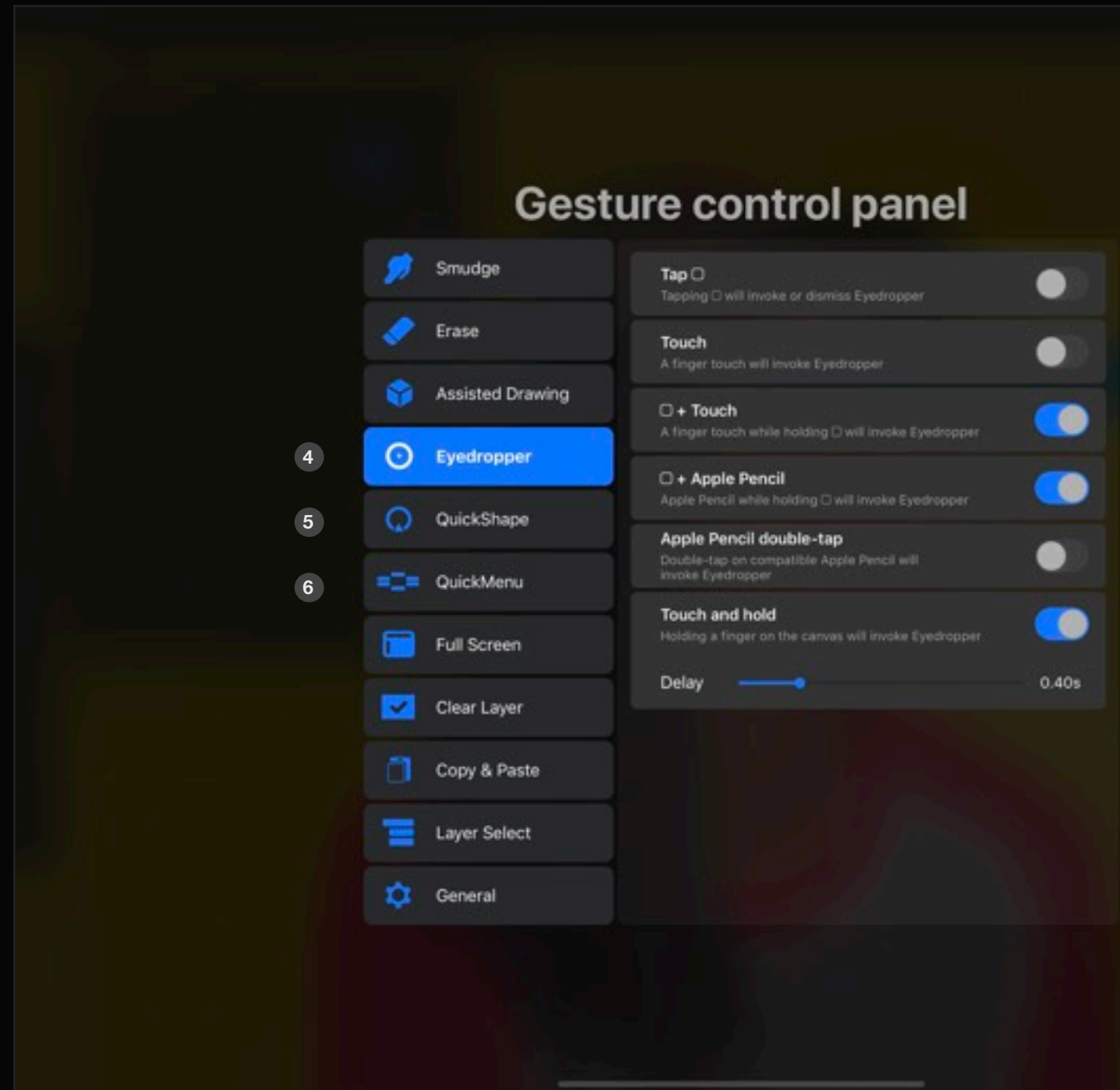
QuickShape (5)

'Draw and Hold' is the default method for QuickShape. Draw a stroke and continue holding at the end to invoke QuickShape after the set delay. All other methods will invoke QuickShape on your previous stroke.

QuickMenu (6)

When QuickMenu is invoked by any of these methods, it will dismiss by tapping off, by continuing to paint, or when an option is selected. If invoked by touching the canvas, you can drag your finger or Apple Pencil without lifting to instantly select a QuickMenu option.

See page 136 to learn more about the Eyedropper, page 121 to learn more about QuickShape, or page 427 to learn more about QuickMenu.



Full Screen (7)

Choose how to toggle Full Screen mode, or set it to invoke and dismiss automatically.

Toggle

The first four methods will toggle Full Screen: one instance of the action will invoke Full Screen by dismissing the interface, and on the next instance of the action the interface will return.

Automatic

If Automatic Full Screen is enabled, then the interface will automatically dismiss as soon as you start painting. Once you lift off the canvas, the interface will return after the set delay. Drag the slider to the left to decrease this delay, or drag to the right to increase it.

Pro tip:

When in Full Screen mode, you can always return to the interface by tapping the button in the top left corner.

7



Clear Layer (8)

Choose the best method to clear your layer. Be careful, this is final.

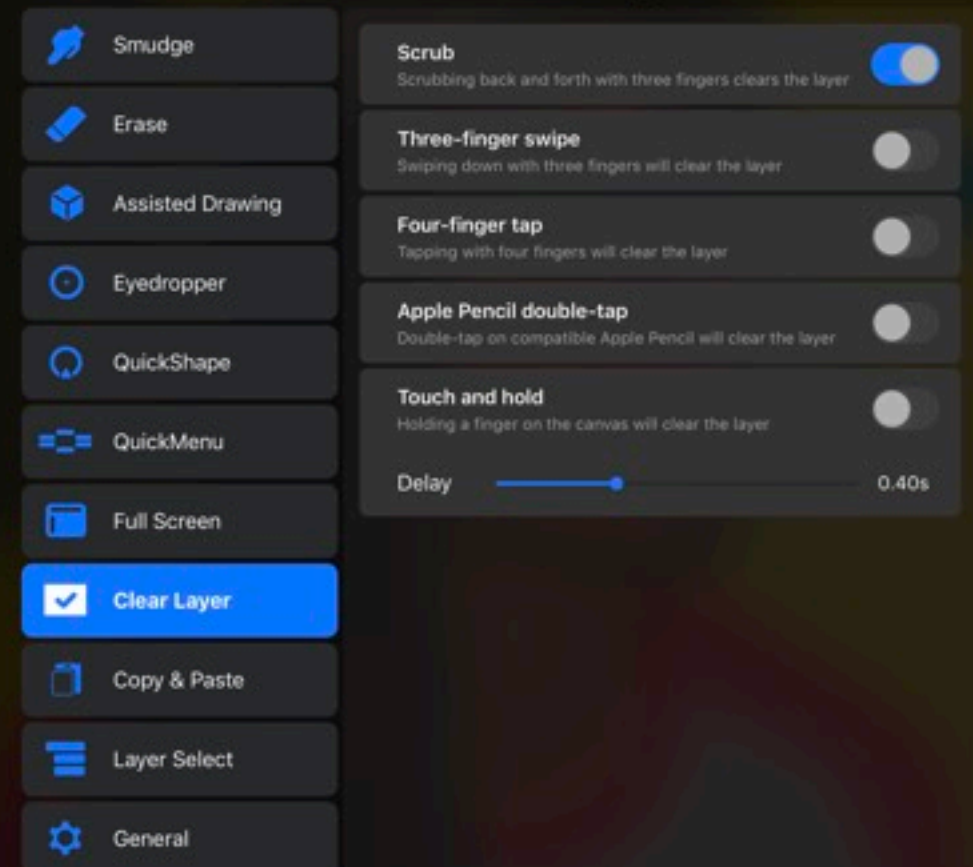
Invoking your chosen method for Clear Layer will delete all content from your current Primary layer. You can use Undo to reverse this, but it's otherwise final. The Scrub gesture is the default, and cannot be used to invoke any other feature.

Pro tip:

You can also clear your layer from the Layer Options menu. See page 189 to learn more.

8

Gesture control panel



Copy & Paste

Options for invoking the Copy Paste menu.

Activating your selected option will invoke the Copy Paste menu. Once invoked, the Copy Paste menu will remain until you tap the canvas or use one of the menu options.

Cut

This will cut the contents of the layer or active selection, removing it from the canvas and adding it to the iOS clipboard.

Copy

This will copy the contents of the layer or active selection to the iOS clipboard.

Copy All

This will copy the visible content of the canvas to the iOS clipboard as a single flat image.

Paste

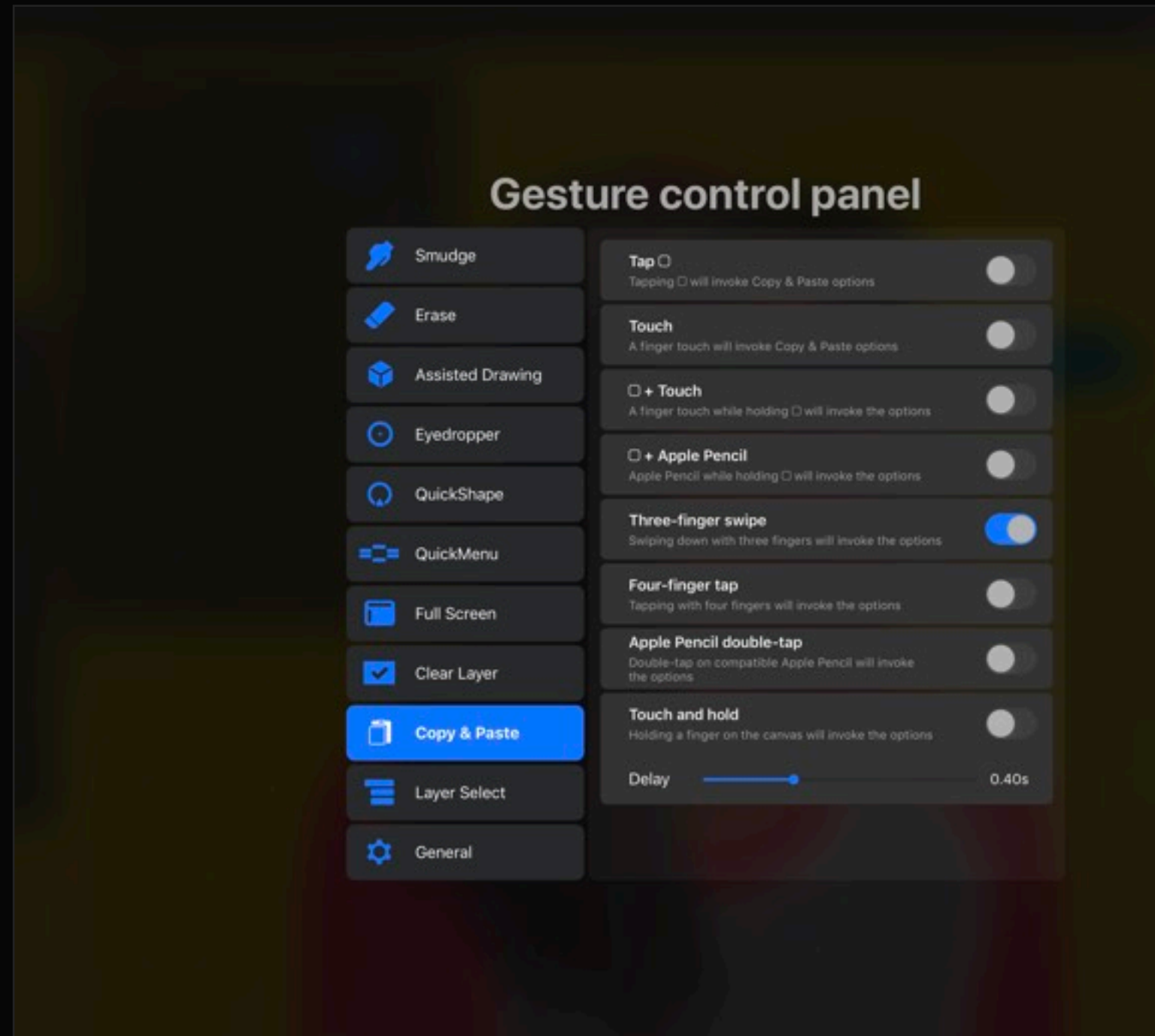
This will paste the contents of the iOS clipboard as a new layer, or to a selected empty layer.

Cut & Paste

This will cut the contents of the layer and active selection, removing it from its current layer and pasting it as a new layer.

Copy & Paste

This will duplicate the contents of the layer or active selection into a new layer.

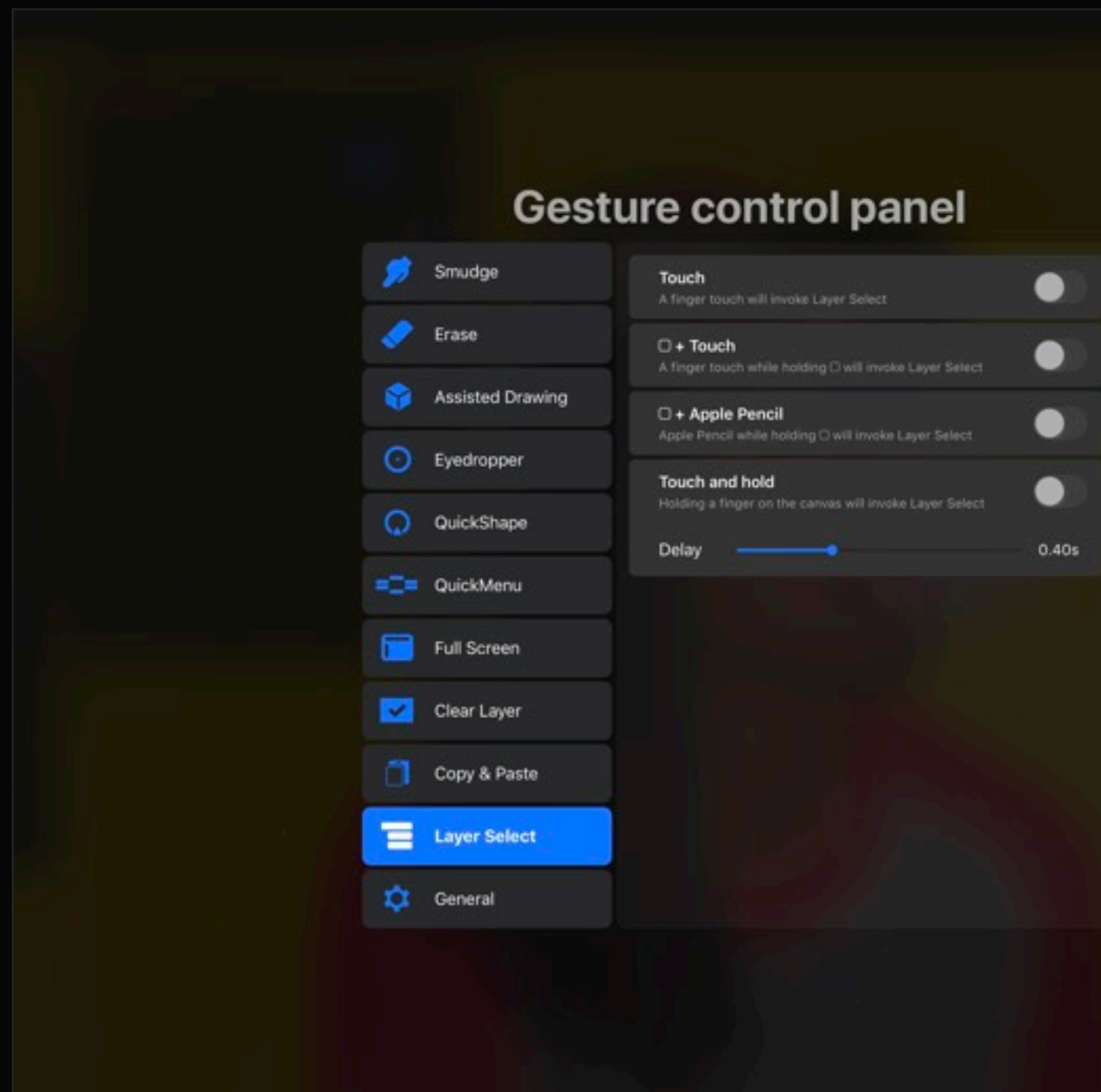


Layer Select

Easily select layers from content on the canvas, without opening a menu.

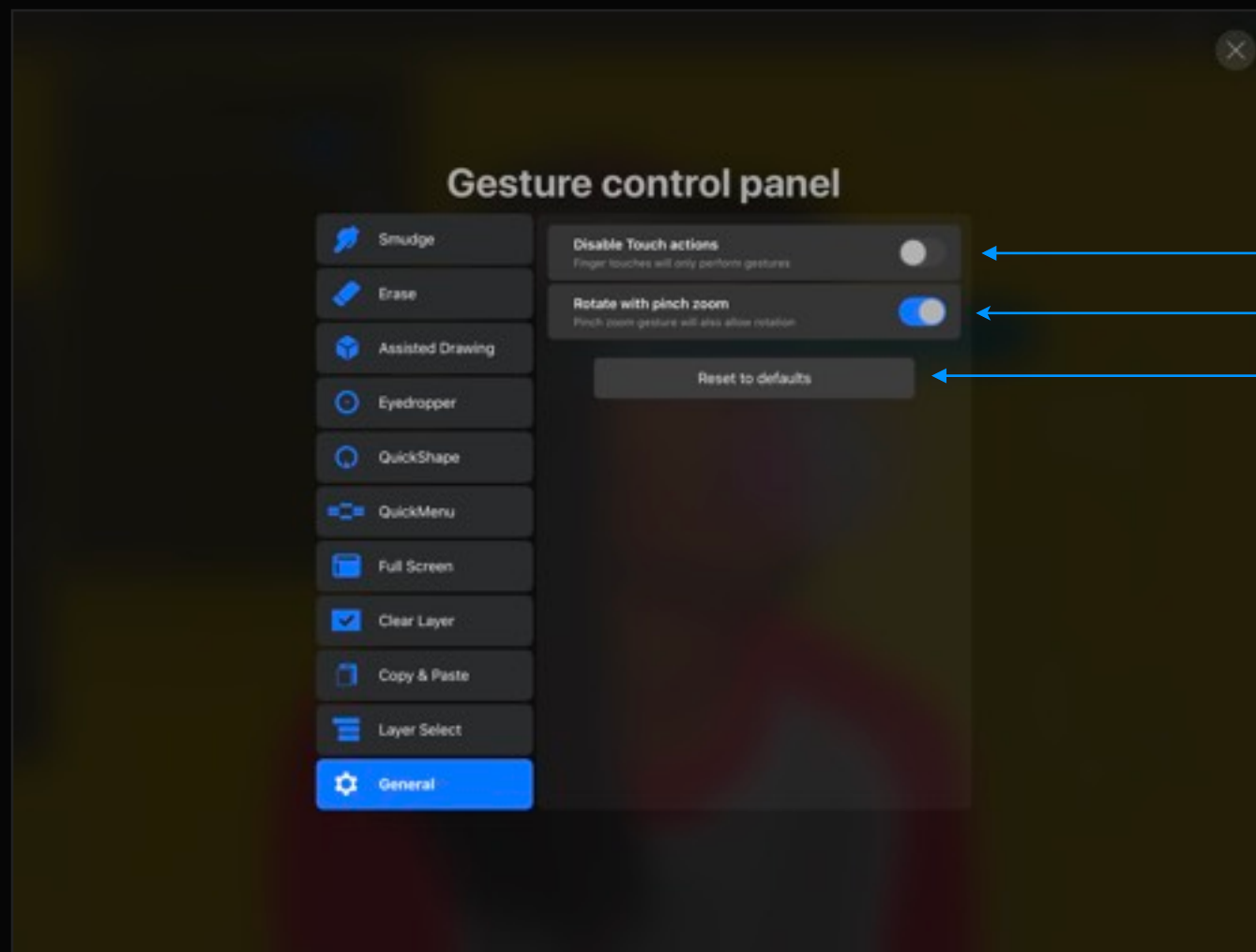
Once you've chosen an invocation method for Layer Select, invoke the feature, then hold and drag on the canvas. The Layer Select pop-up will appear. When you pause for a moment, the pop-up will expand to show the available layers visible in that location.

Once invoked and expanded, you can lift off the canvas and the Layer Select pop-up will remain until you tap off, or select a layer. Alternatively, before releasing the initial gesture you can simply drag toward one of the layers and release to instantly select it.



Gesture options

The General tab of Gesture controls provides some overall options for Procreate's gestures.



If 'Disable Touch actions' is on, a finger touch can't Paint, Smudge, Erase, or invoke anything else on Touch.

This option controls whether the pinch-zoom gesture also allows rotation. This is on by default.

Tap this button to reset all Gesture controls to their default settings.

Section 12

Application settings

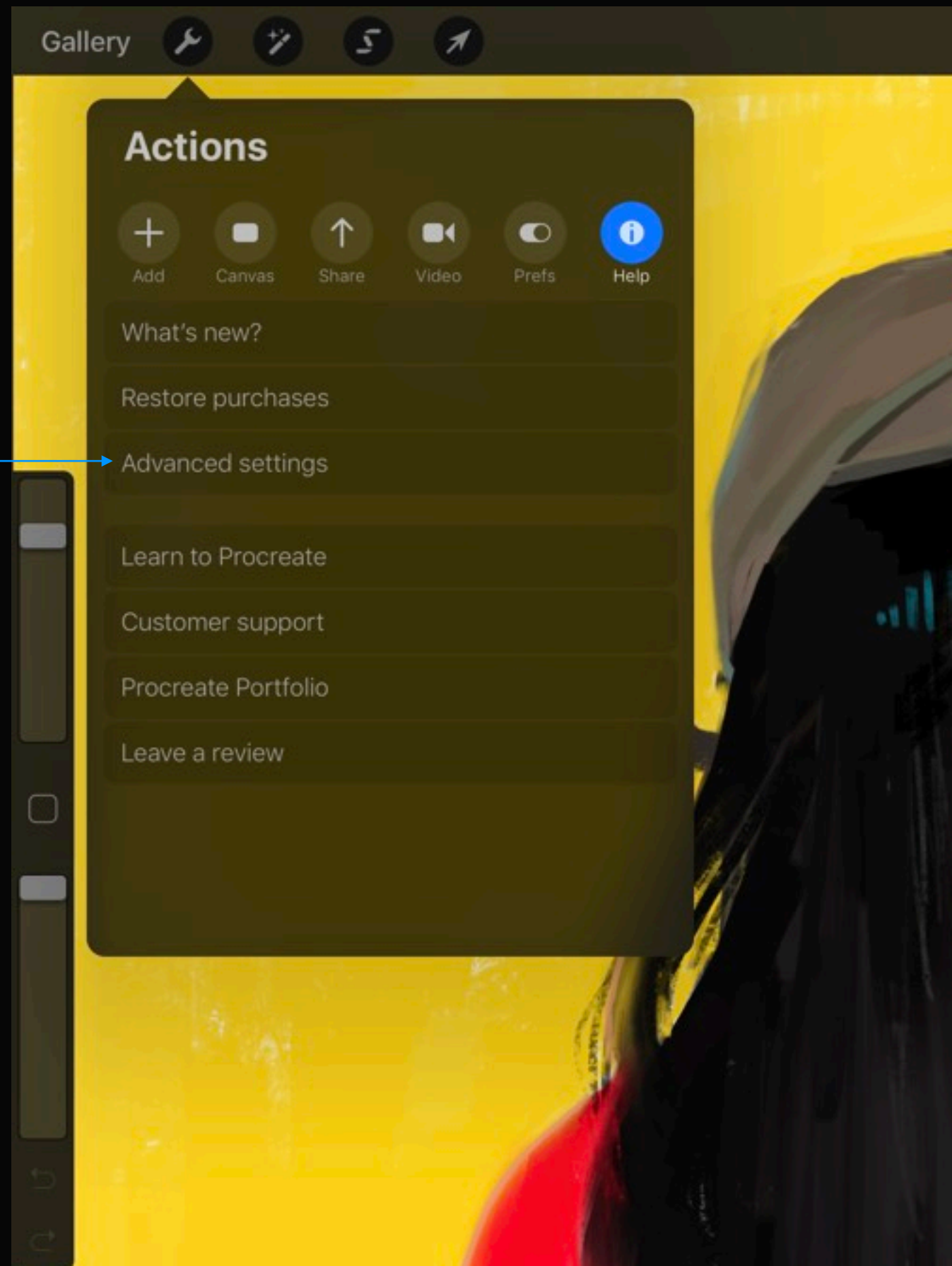
Adjust advanced Procreate settings in your iPad's Settings app, including Palm Support, video quality, and Simplified Undos.

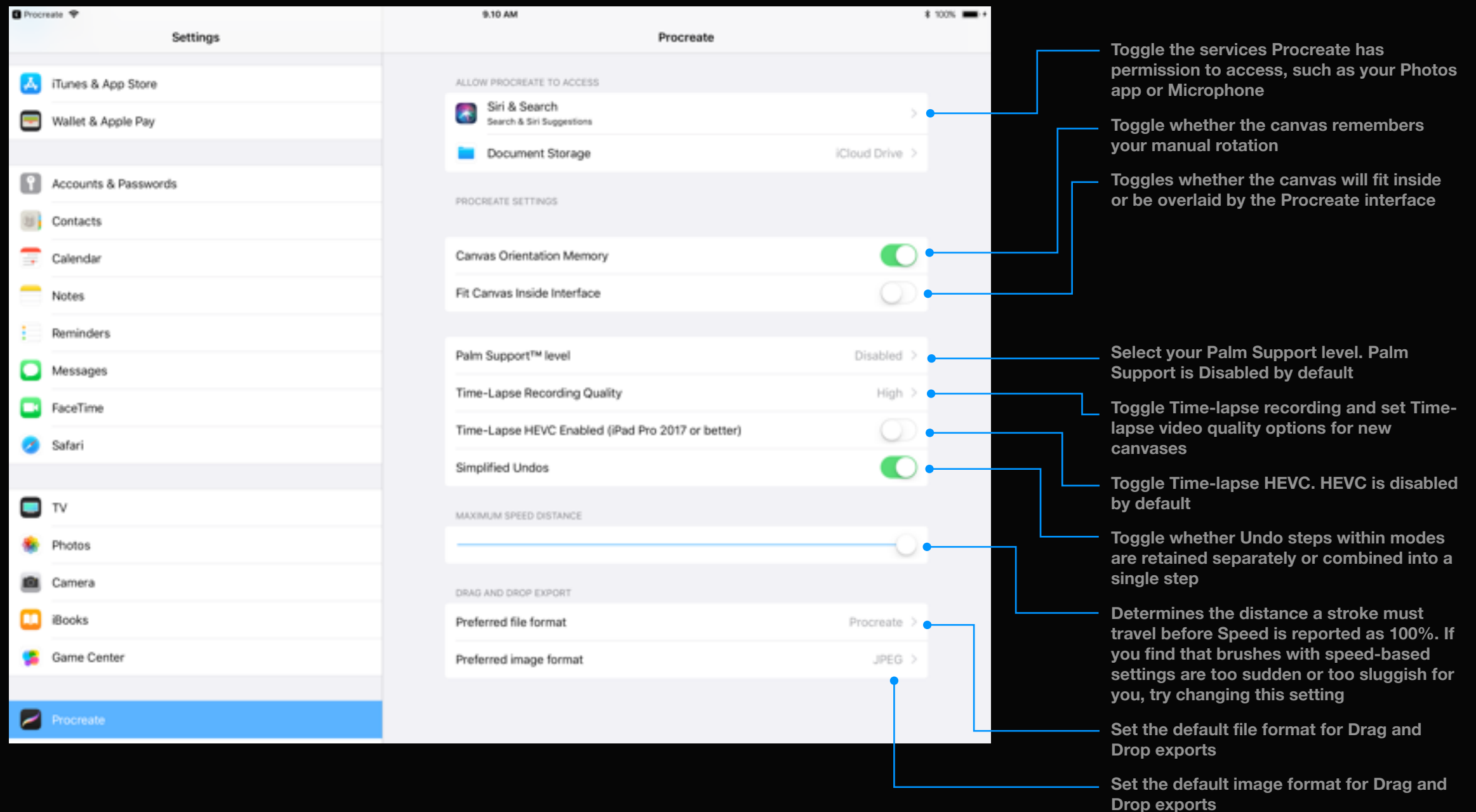
Advanced Settings shortcut

Quickly access Procreate's Advanced Settings.

Tapping this button will take you straight to the Procreate section of your iPad's Settings app, where you'll find all of Procreate's advanced settings and options.

Tap to
open
Settings





Palm Support levels

Simply rest your palm on the canvas while you paint. Palm Support works with your finger, any regular capacitive stylus, and some compatible smart styluses.

Standard

This mode is designed to work well for most people. It detects a larger size as a palm, ensuring users with larger hands can use gestures without interruption.

If you're having trouble performing gestures with Palm Support, switch to this mode.

Fine

This mode is designed for people with smaller hands. The size at which Procreate starts detecting a palm is smaller, ensuring smaller hands still work well.

If Procreate isn't fully rejecting your palm, switch to this mode.

Off

No solution works for all people all the time. If you find you're having trouble with Palm Support, or the feature isn't useful to you, simply switch it off.

Palm Support is off by default. To turn it on, switch to either of the other two modes.

Time-lapse recording quality

Procreate records every stroke, without interruption. Choose the correct quality setting for the work you do.

Normal

This setting produces the smallest file size. Use this if you're concerned about file size or storage space but still want to use the video option.

High

This setting produces a balanced quality and file size, and is the best choice if you want to share video frequently.

Studio

This produces the highest-quality video and the largest file size. Use this setting for professional video distribution or making video tutorials.

4K

This setting uses the Studio compression quality and records your video in massive high resolution, up to an incredible 4K. This option is only available on iPad Air 2 and newer.

Enabling HEVC

High Efficiency Video Coding (HEVC), also known as H.265, gives you smaller video file sizes *and* better picture quality, but is only supported by some applications and systems.



iOS Support

HEVC is supported by default in iOS 11 and iOS 12, so you can play back your HEVC videos in Photos app, as well as exporting to them to compatible applications.



macOS 10.13

On a desktop or laptop computer, you'll need MacOS 10.13 High Sierra or newer to transfer and work with HEVC files. The latest version of iMovie for Mac is already compatible with HEVC.

Section 13

Finding help

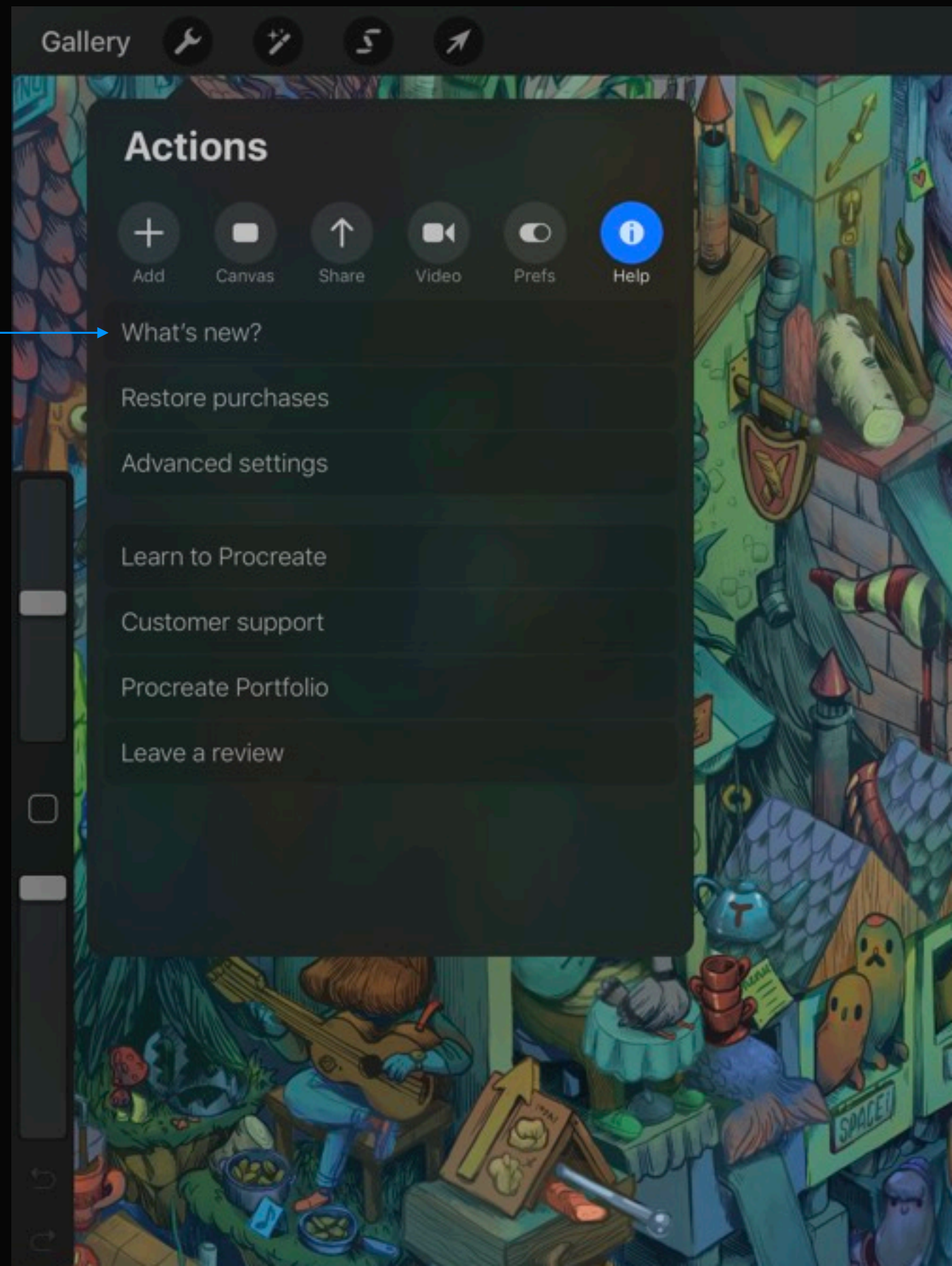
A few useful links that you might find handy down the track. Revisit 'What's New?' in the current version of Procreate, visit our forum community, or get some help from the Procreate Support page.

What's new?

Revisit the new features from the last major version.

With each major version we'll release a little introduction to the new features. If you forget what we added, or chose to skip it when you first launched, you can revisit it here.

Tap for information



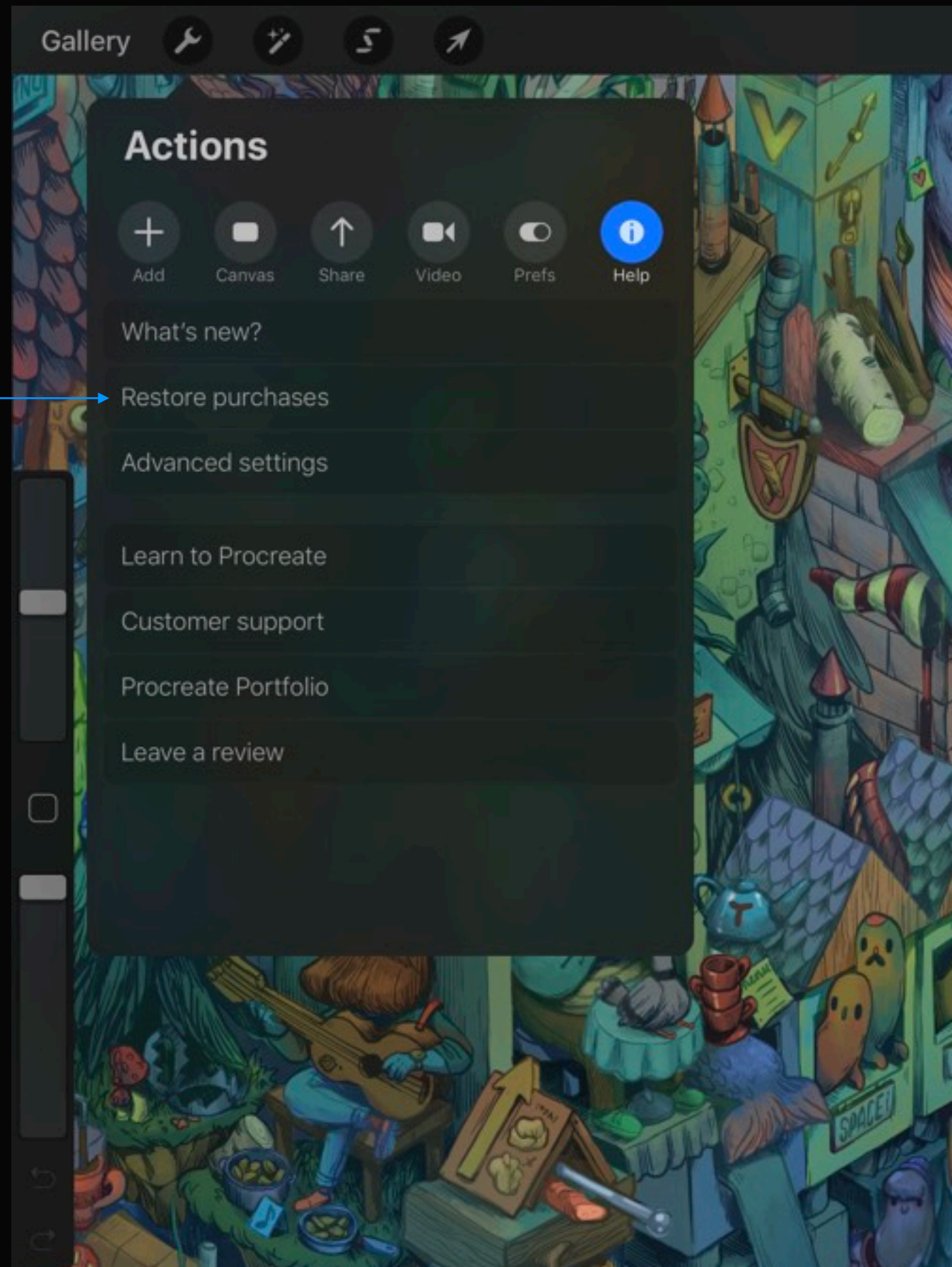
Restore Purchases

Never pay twice.

Procreate doesn't currently have any in-app purchases, but it has had some in the past.

If you've reinstalled Procreate or moved to a new device, don't panic - you can easily restore any extra items you've purchased. Just tap this button to bring back any purchases attached to your account.

Tap to Restore
Purchases



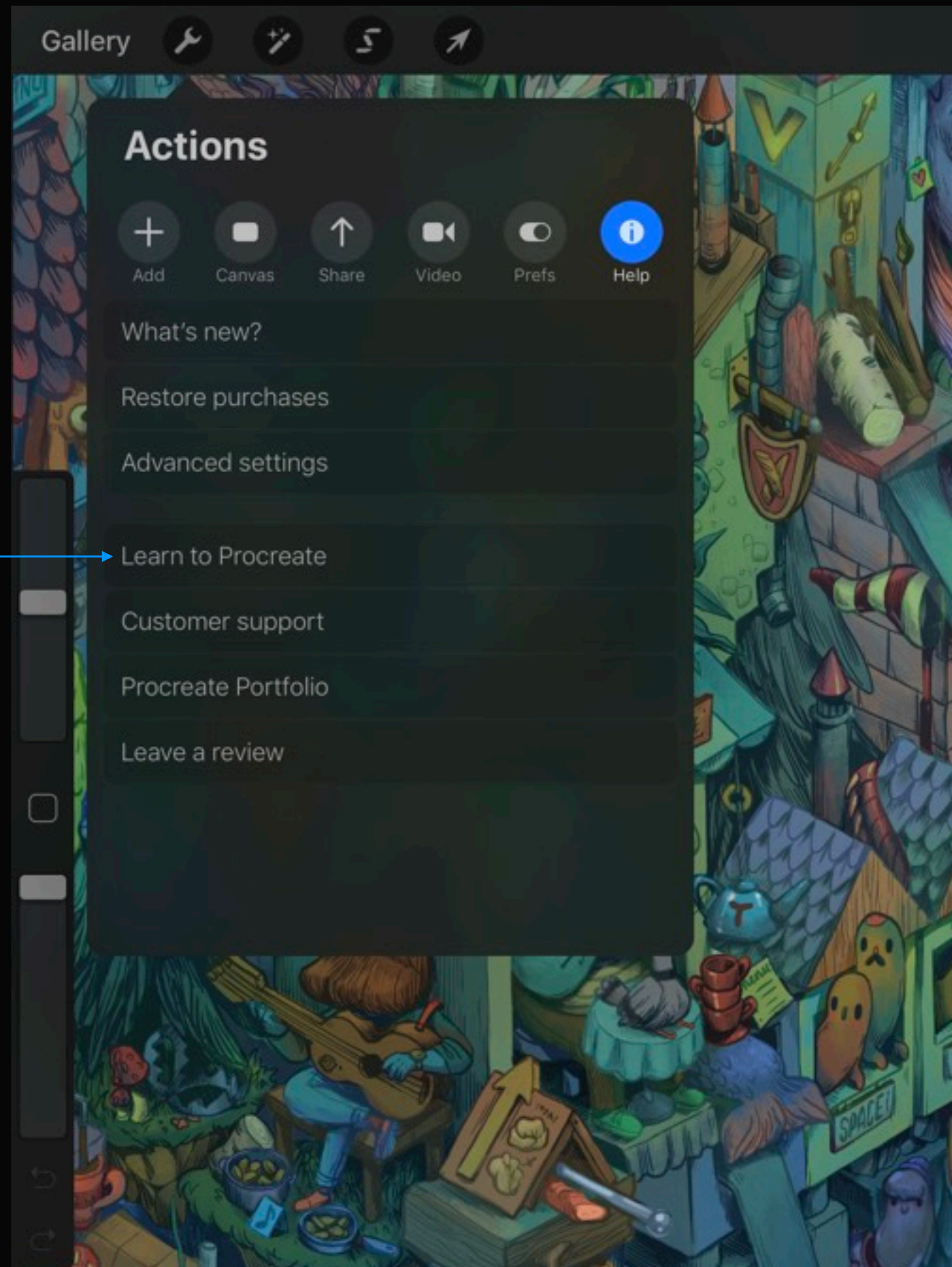
Learn to Procreate

Tutorials and tips, straight from the developers.

Learn to Procreate is a series of bite-size videos demonstrating some of the most important features and workflows in Procreate, as determined by you.

Tap this button to be taken straight to the online video playlist. Comment on a video or contact us on social media to request the videos you'd like to see.

Tap to Restore
Purchases



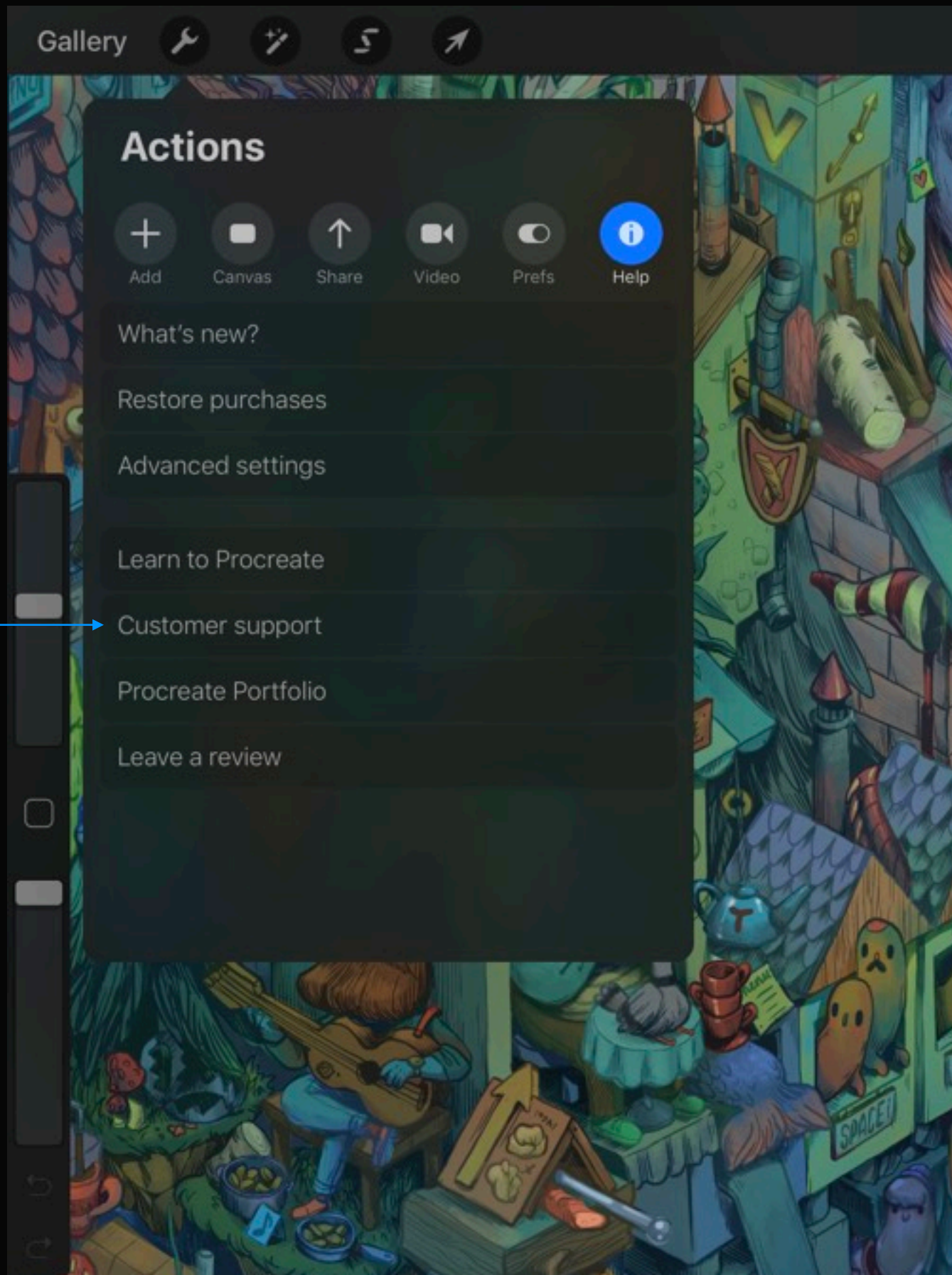
Procreate Handbook

If you ever need to re-download this Handbook, tap the Customer support button to go to the download link.

For those countries for which we are unable to offer the Handbook through the iBooks Store, we have offered a download link from our own site (including a flattened PDF).

If you download the Handbook through the iBooks Store, you'll be notified when an updated version is available.

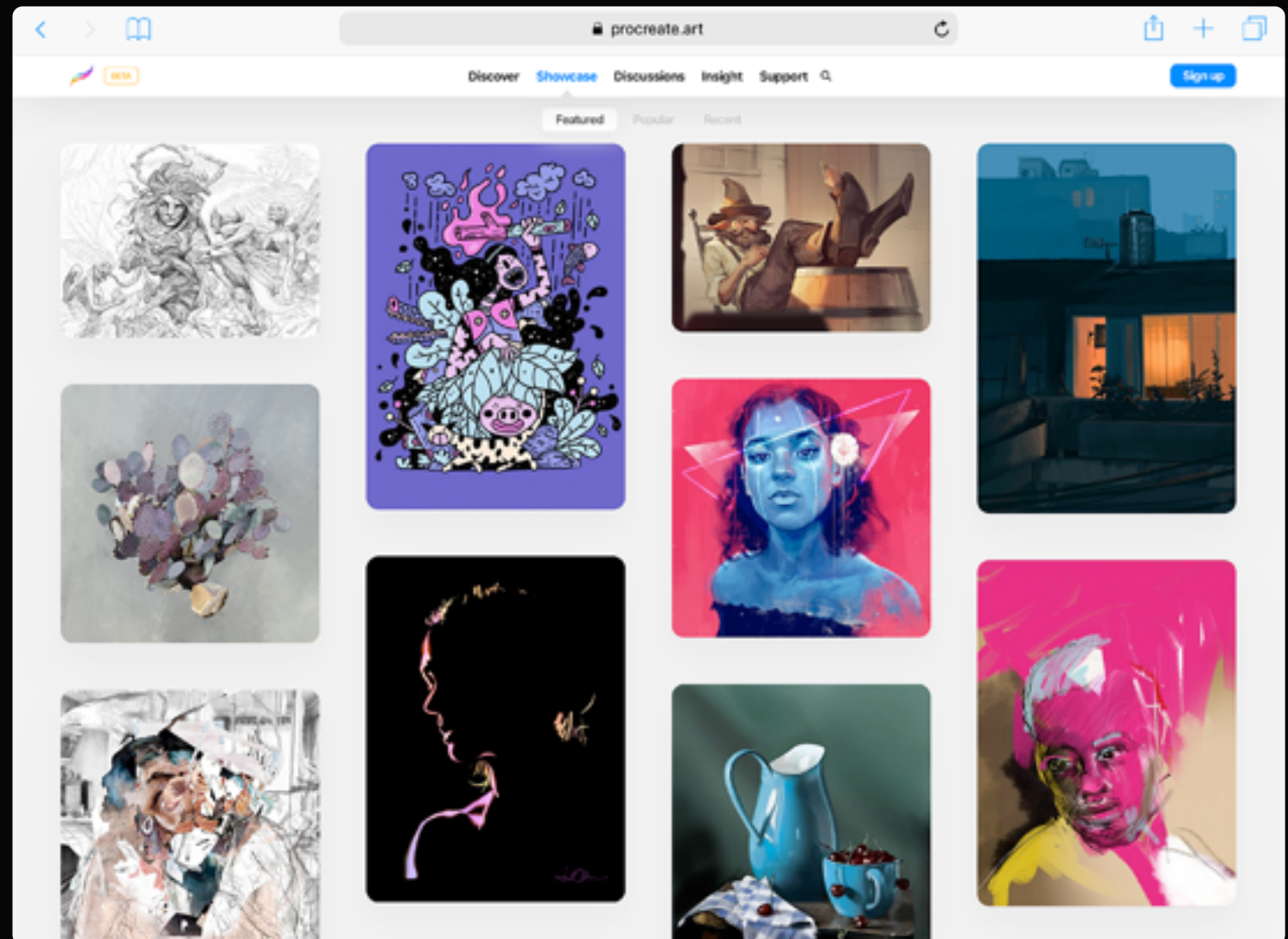
Follow this link →



Procreate Portfolio

Procreate has an amazing community built around sharing art.

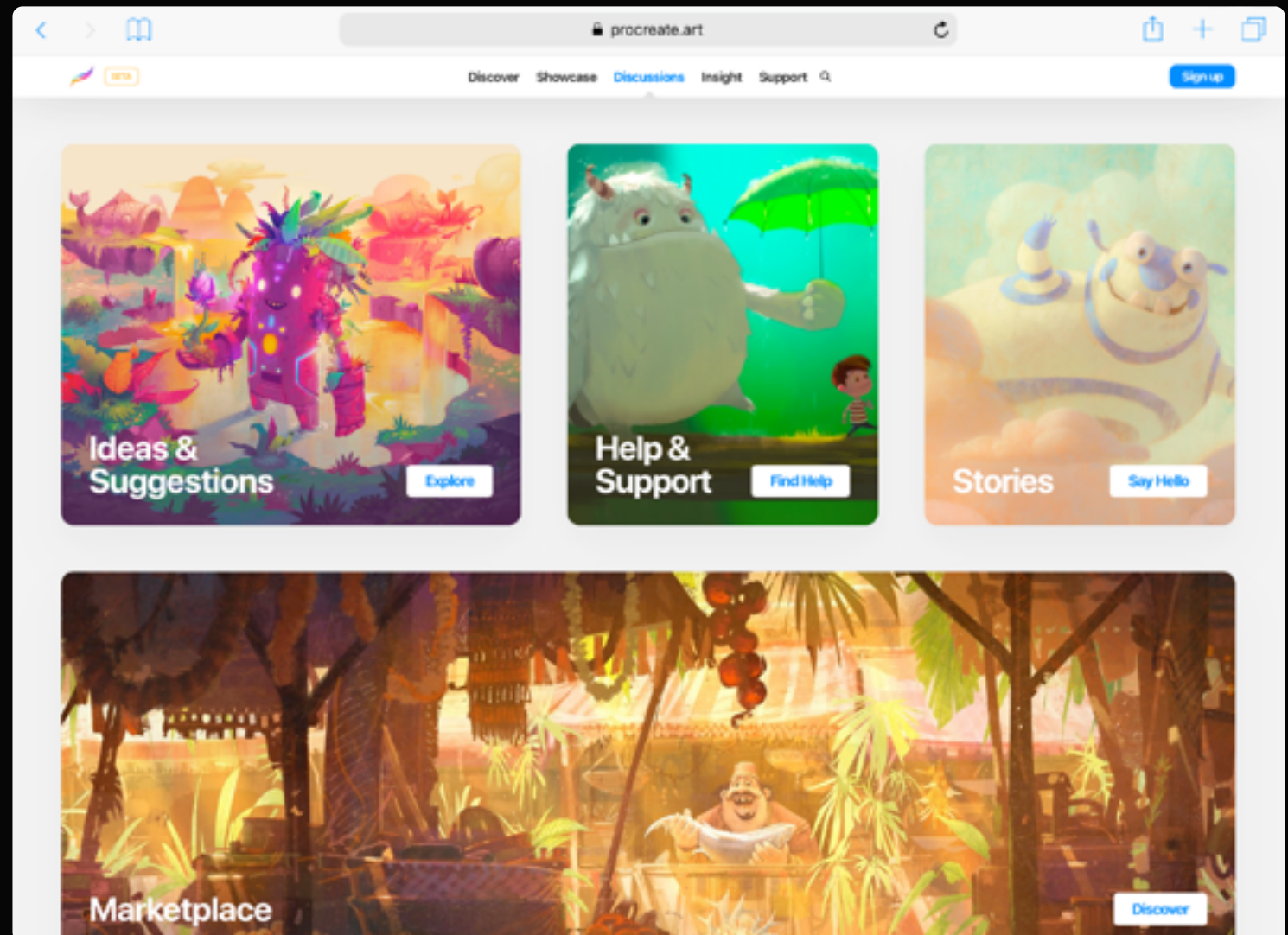
Tap the Procreate Portfolio button to be taken straight the Procreate Showcase, an online gallery for digital art. Once you've made an account you can Like and Comment on artworks, mark them as Inspiration, set up your profile, and share your own Procreate art.



Procreate Discussions

Get help, ask for advice, swap tips, or just chat with other artists.

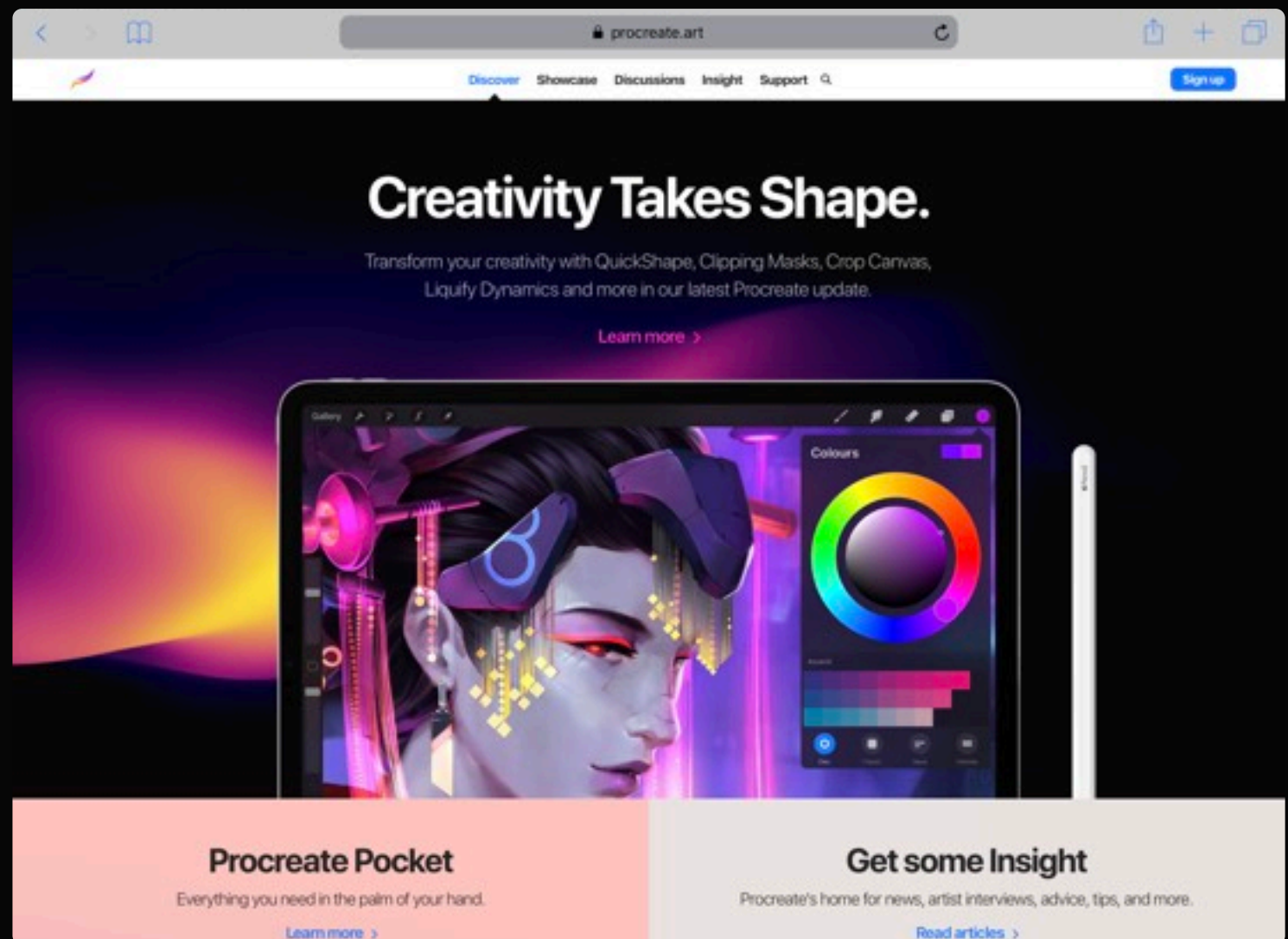
Tap the Discussions button at the top of the Procreate website to go to the Discussions page. Jump into any thread on any board to start chatting! The Procreate community is full of other artists from all walks of life, and you might see the Savage development team there too.



Discover Procreate

The best place to start exploring.

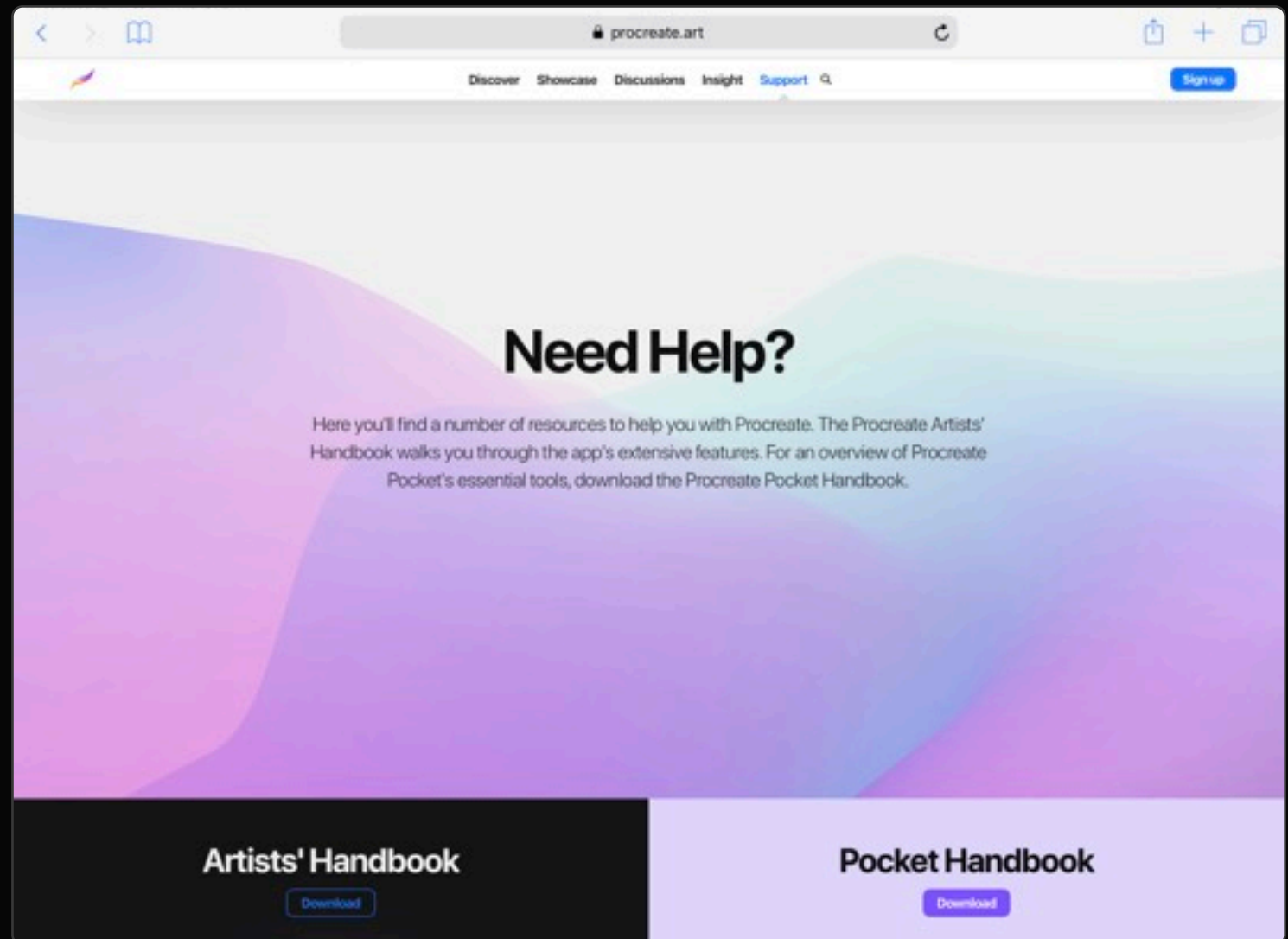
Tap the Discover button to see links to detailed information about Procreate's features, information about Procreate Pocket, and a link to Procreate Insight, our home for sharing tips, artist interviews, and behind the scenes details on the development of Procreate.



Support

Communication is vital to us making Procreate a better product and we love hearing from you.

Tapping Support will launch your web browser and take you to the Support page. Here you can access the FAQ or artist tutorials, visit the Procreate Discussions, or send us an email. The Discussions are the best place to report bugs or request features.



Crop and Resize

Section 1

Crop

Learn how to crop your canvas, or increase your canvas bounds without affecting your existing content.

Crop overview

Adjust the size of your canvas for the perfect composition.

Crop and Resize your canvas



Freeform Crop

Drag the boundaries of the grid overlay to crop or enlarge your canvas.

Change the crop area

Adjust the size of your canvas along one axis by dragging one of the side points on the overlay boundaries. Drag a corner point to adjust both axes simultaneously.

You'll see that the dimension and layer readouts in the bottom toolbar update automatically as you adjust the crop overlay. When enlarging your canvas, you won't be able to drag the grid out past the maximum possible canvas size.

Rotation

Use the Rotation slider in the bottom toolbar to adjust the rotation angle of your current canvas relative to the crop area.

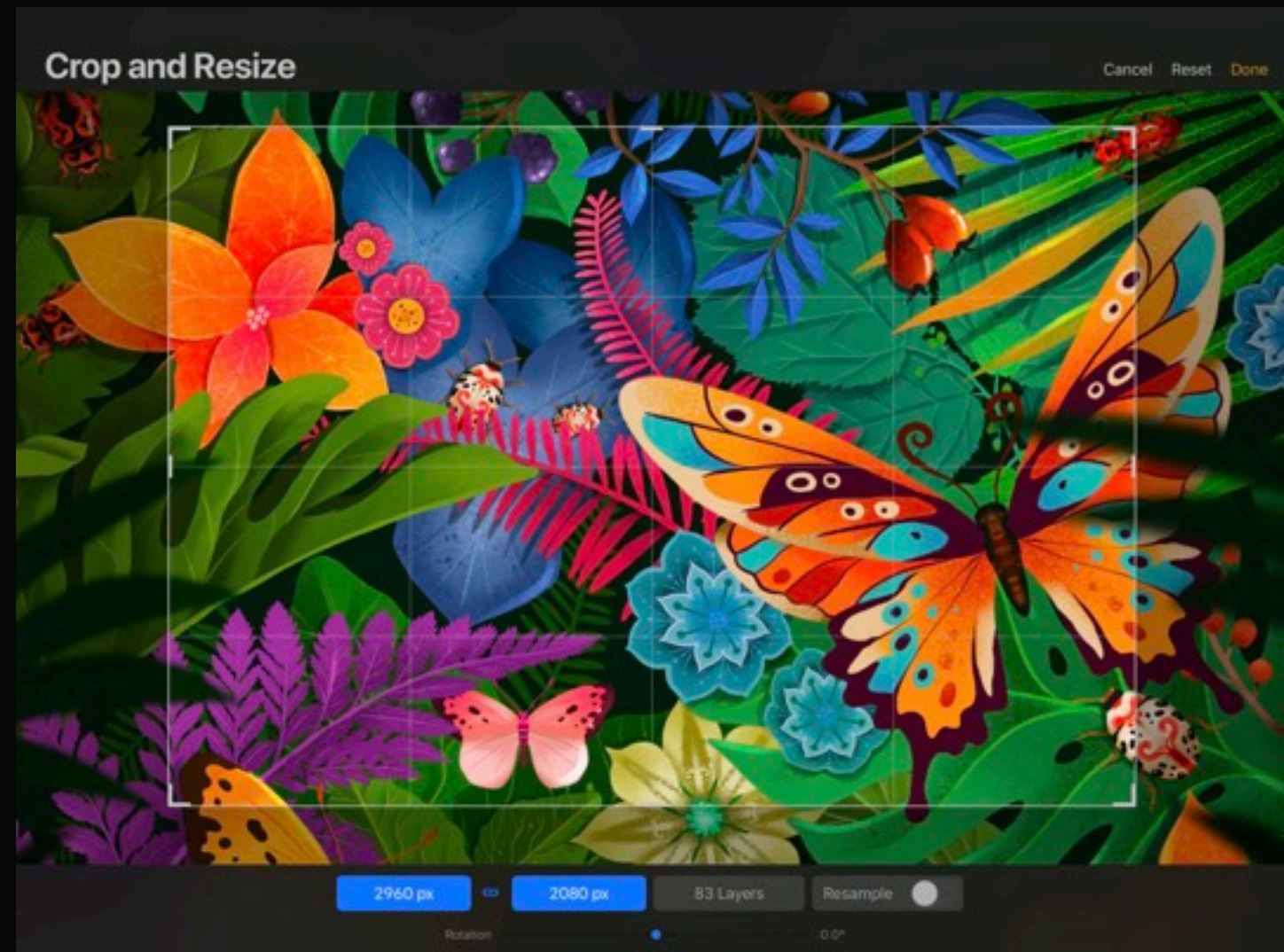


Uniform Crop

Lock your aspect ratio to uniformly crop or enlarge your canvas.

Aspect Lock

Tap the chainlink button between the dimension readouts in the bottom toolbar to lock your aspect ratio. Now, when you drag any node on the crop overlay, the crop area will resize keeping the current aspect ratio, anchored from the opposite node.



Crop to size

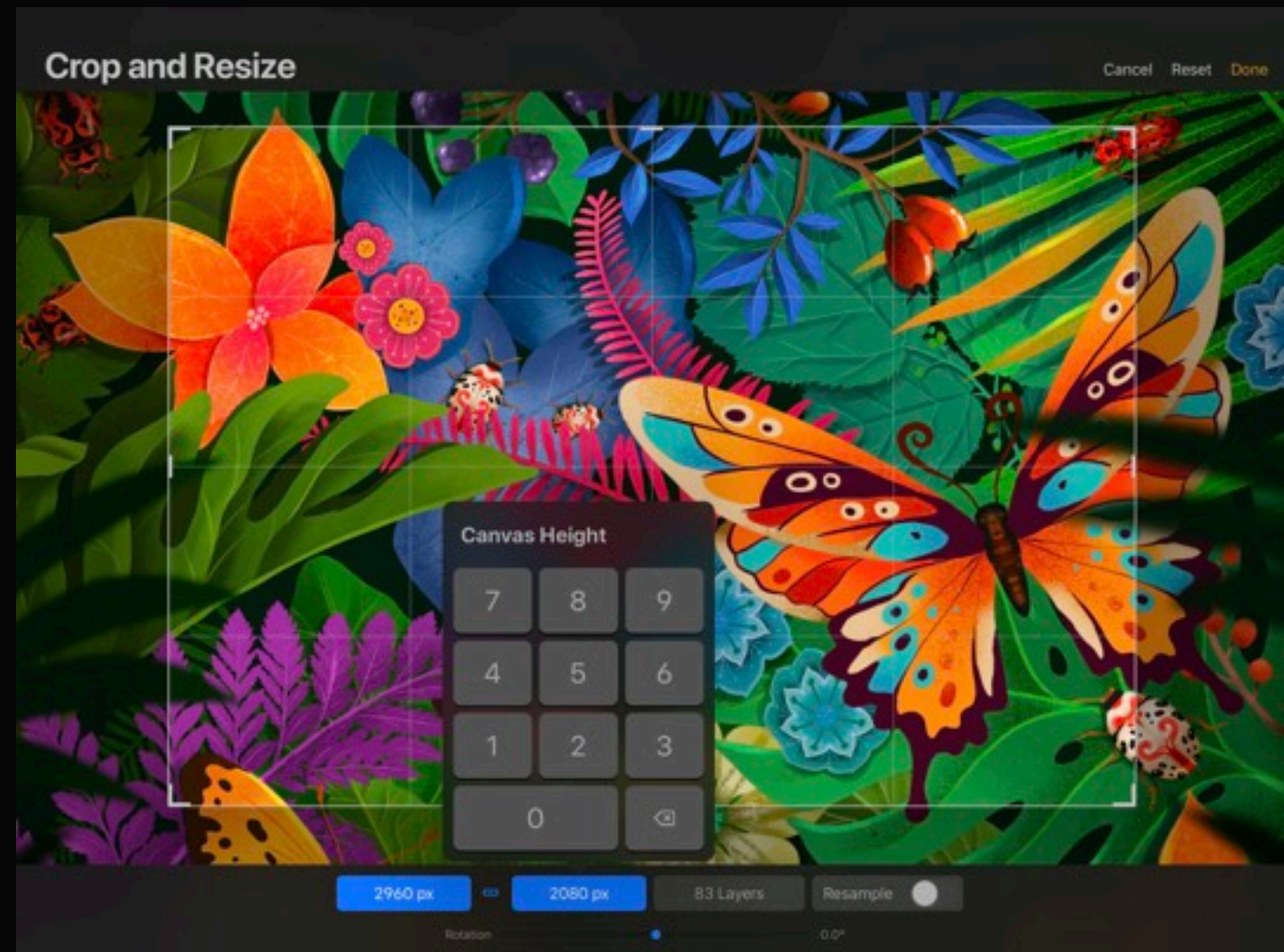
Enter exact dimensions to precisely crop or enlarge your canvas.

Dimension readouts

The two dimensions of your canvas are visible in the bottom toolbar, in the same measurement used when the canvas was created. These readouts will update live with any change to the crop overlay.

Enter a size

Tap one of the dimension readouts to invoke a keypad, and input a value for that dimension. You'll see the crop area update live as you enter a value. If the Aspect Lock is active, the other dimension will also change accordingly.



Section 2

Resize

Change the size of your canvas, and scale and reposition your content, all in one step.

Resize with Resample

Toggle the Resample switch to begin resizing your content.

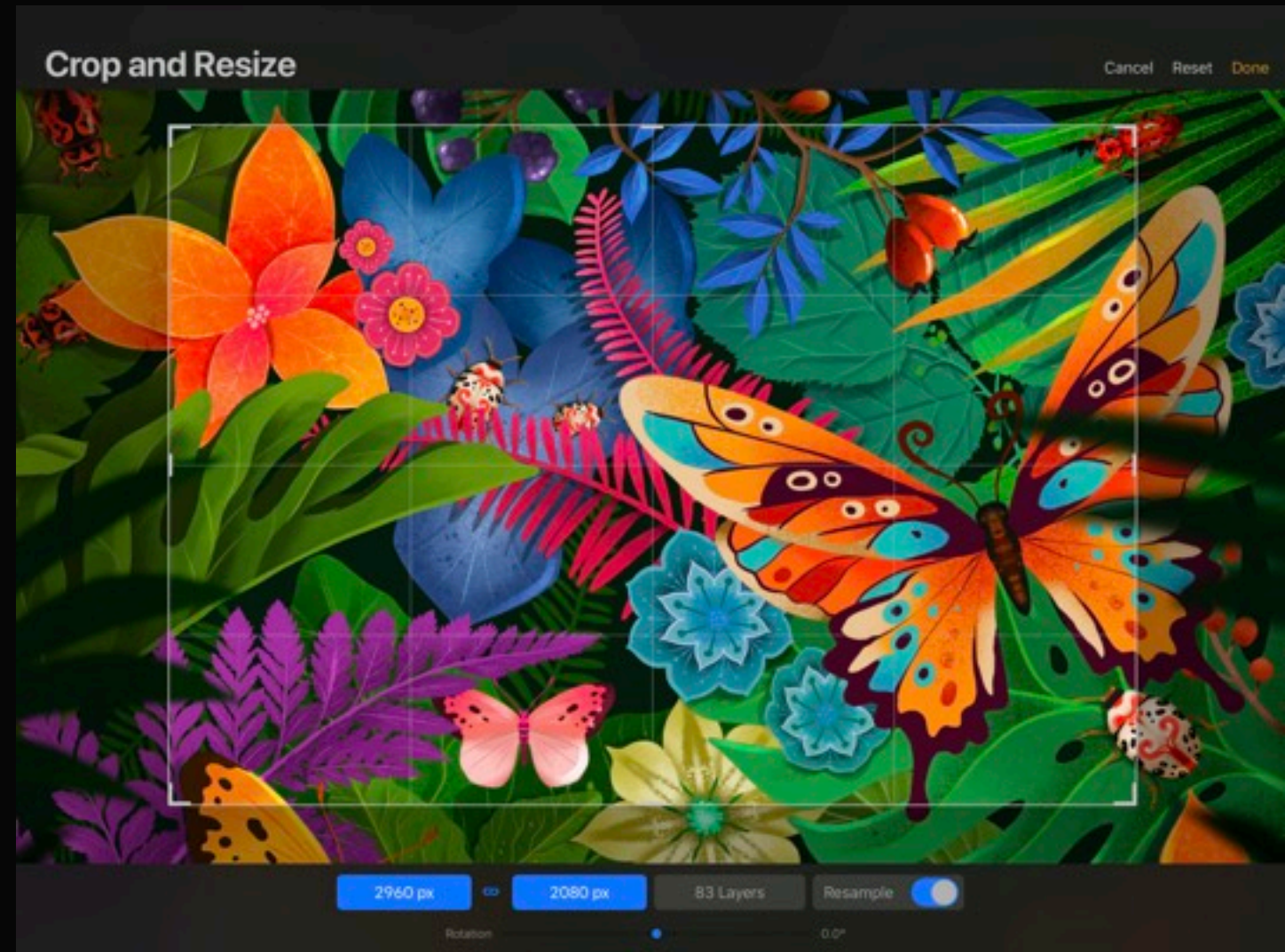
Understanding Resample

‘Resampling’ is the process of scaling a digital image, and creating new data from the existing pixels. When you resample an image in Crop and Resize, Procreate will automatically transform it up or down using a bicubic interpolation.

Resample mode

When you turn the Resample switch on, you’ll notice that the Aspect Lock is automatically engaged. When you adjust the crop overlay or manually input a dimension value, aspect ratio will be maintained.

If you’d like to change the aspect ratio of your canvas when resizing, adjust the overlay before engaging Resample.



Using Resample

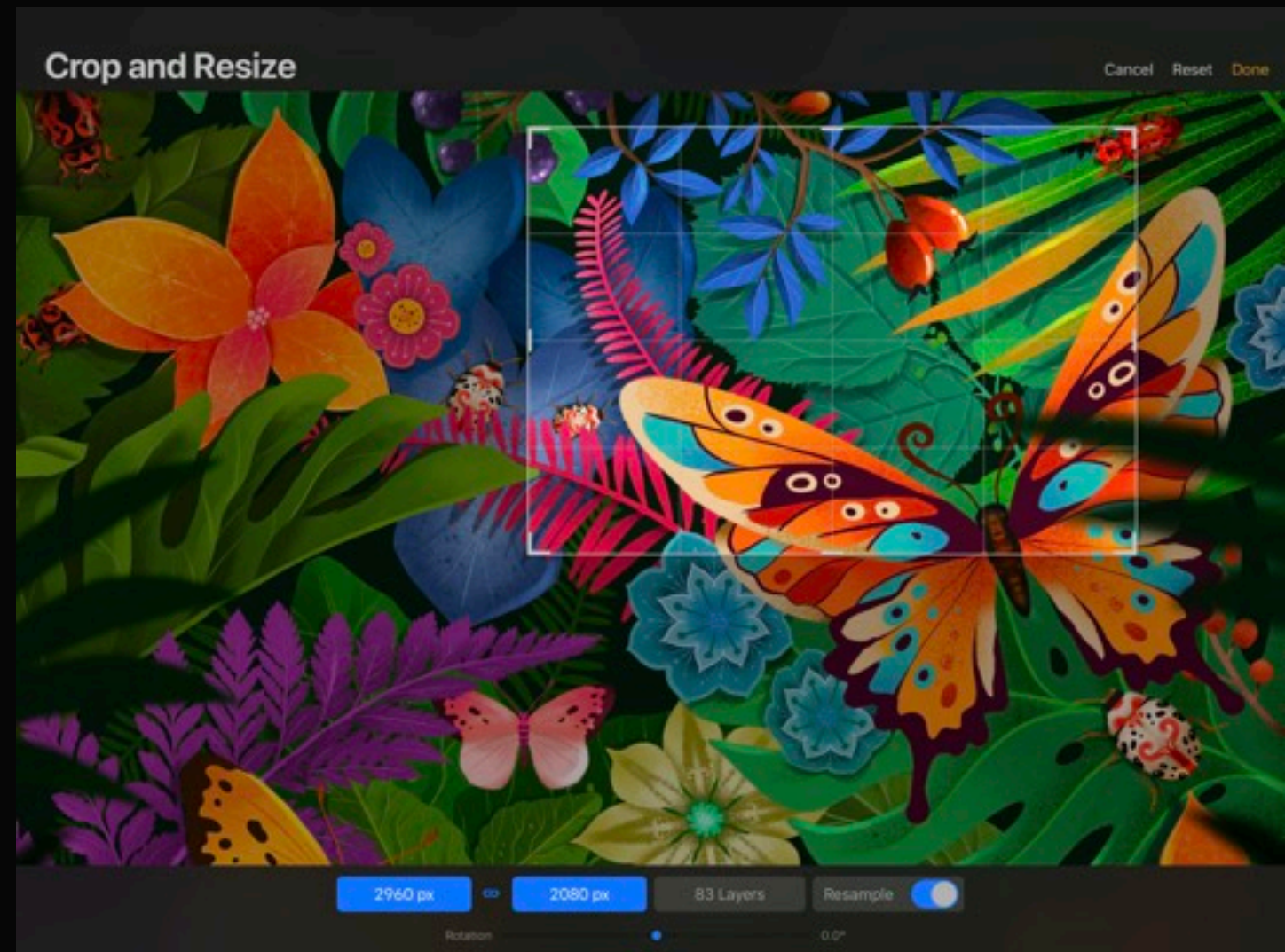
Use the crop overlay together with the dimension input to resize your canvas.

Adjusting the area

You'll notice that when Resample is on, adjusting the size of the crop overlay doesn't change the dimension readouts. In Resample mode, the overlay determines the area of the canvas that will be resized and resampled to the currently selected dimensions.

Tap a dimension to invoke the keypad and input a new size, and the area within the overlay will be resized to those dimensions.

In this example, we've resized and moved the overlay to focus on the boat, but left the dimensions as they were. When we tap Done, the content will be cropped to the area within the overlay, and that content will be scaled up to the current canvas size of 4000px by 3000px.



Drawing Guides

Section 1

Drawing Guide basics

Learn how to enable a Drawing Guide, enter editing mode, and choose your Guide type.

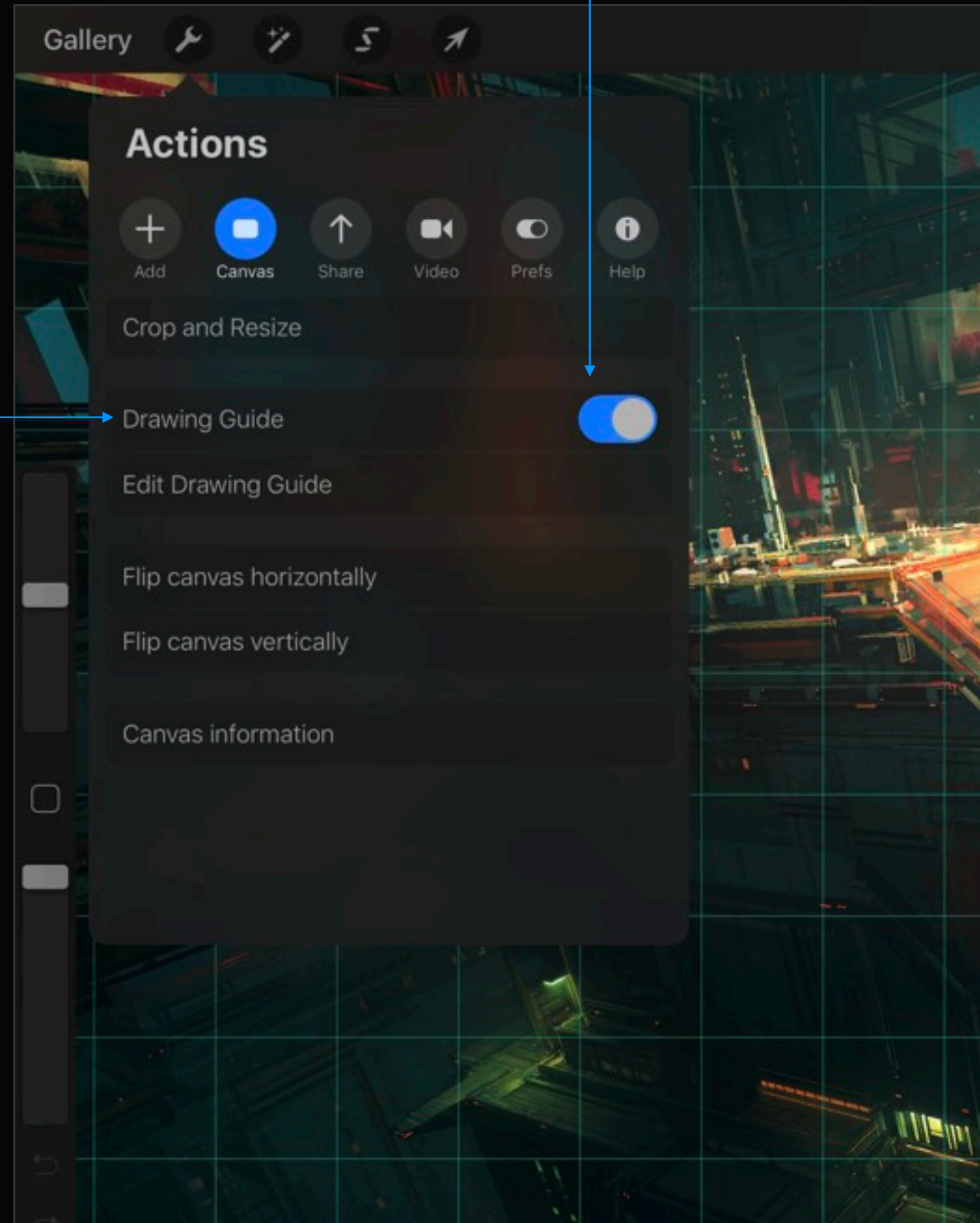
Activate the Guide

Enable your Drawing Guide by flipping the Drawing Guide toggle switch.

Once the Guide is enabled, you can edit it by tapping Edit Drawing Guide.

Tap to edit

Toggle Drawing Guide visibility

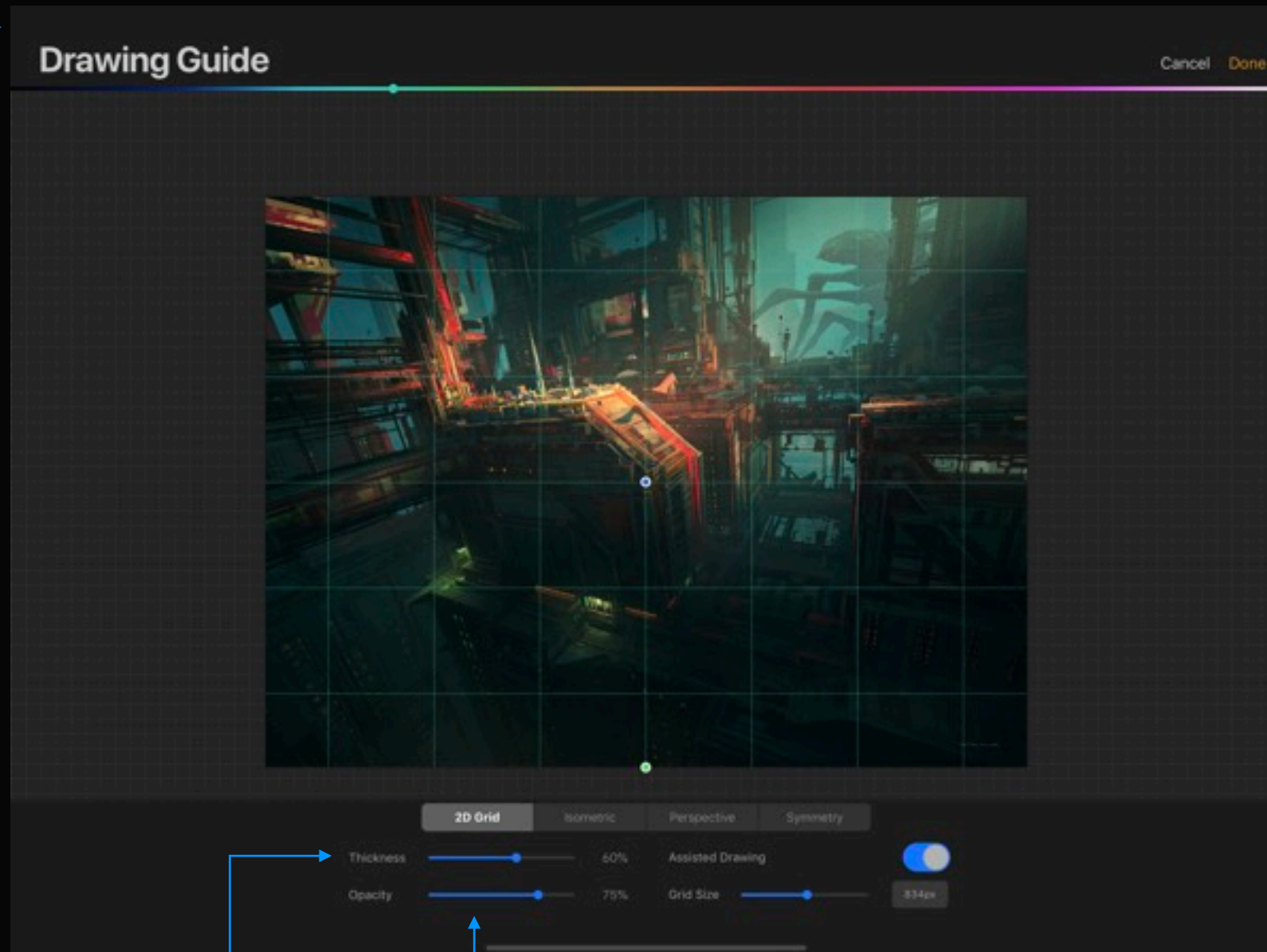


Editing mode

Drawing Guide mode will zoom out to give you an overview of your canvas.

Use the buttons at the top to select your Guide type, and use the hue slider to adjust the color of your Guide lines.

Return to
the canvas



Commit edits

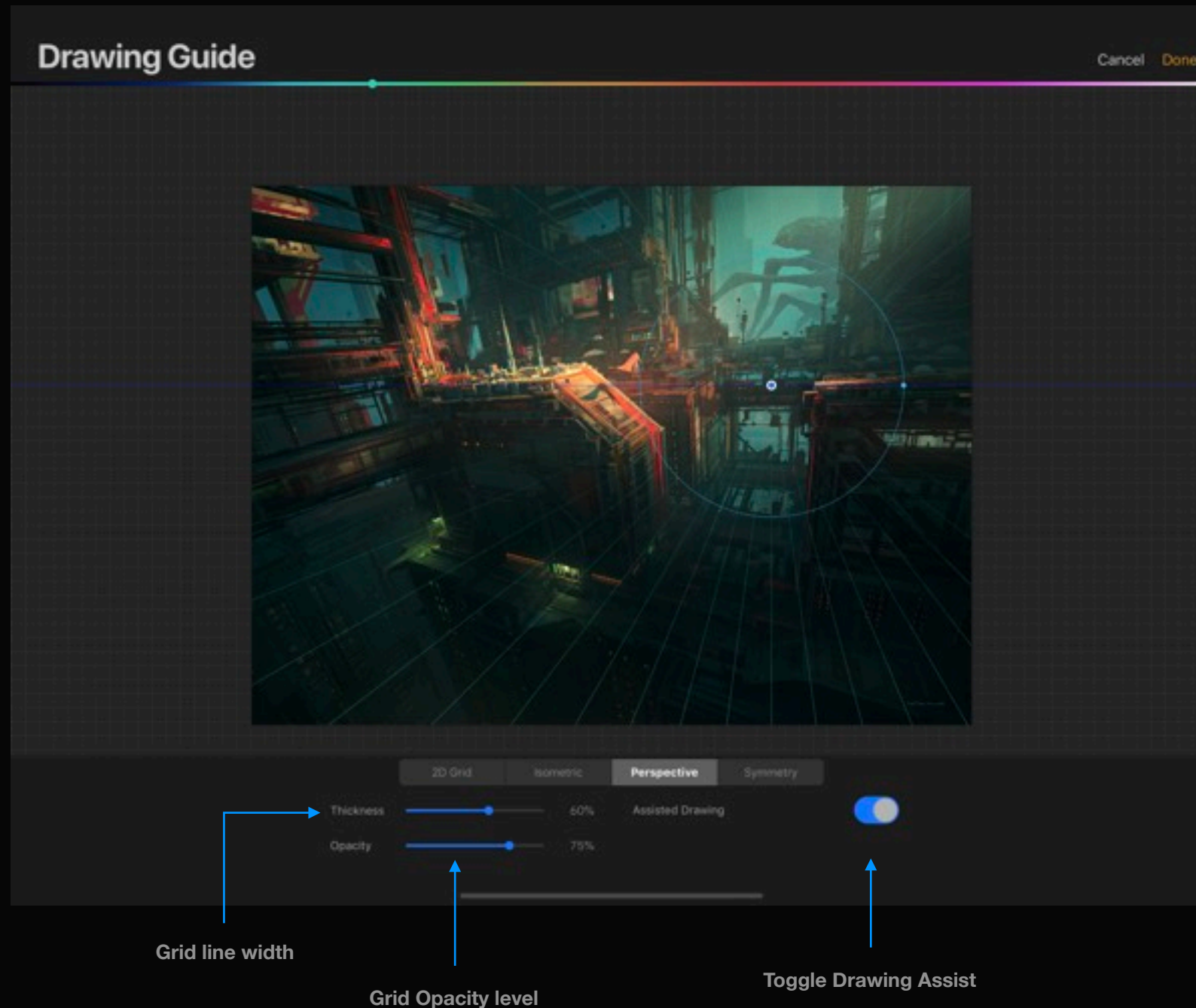
Grid line width

Grid Opacity level

Complete control

The available controls in the bottom toolbar will change depending on your Guide type.

For all Guide types, you'll have access to the Thickness and Opacity sliders, and the Assisted Drawing toggle switch. Use the sliders to adjust the visibility and prominence of your Drawing Guide lines. See page 421 to learn more about Drawing Assist.



Section 2

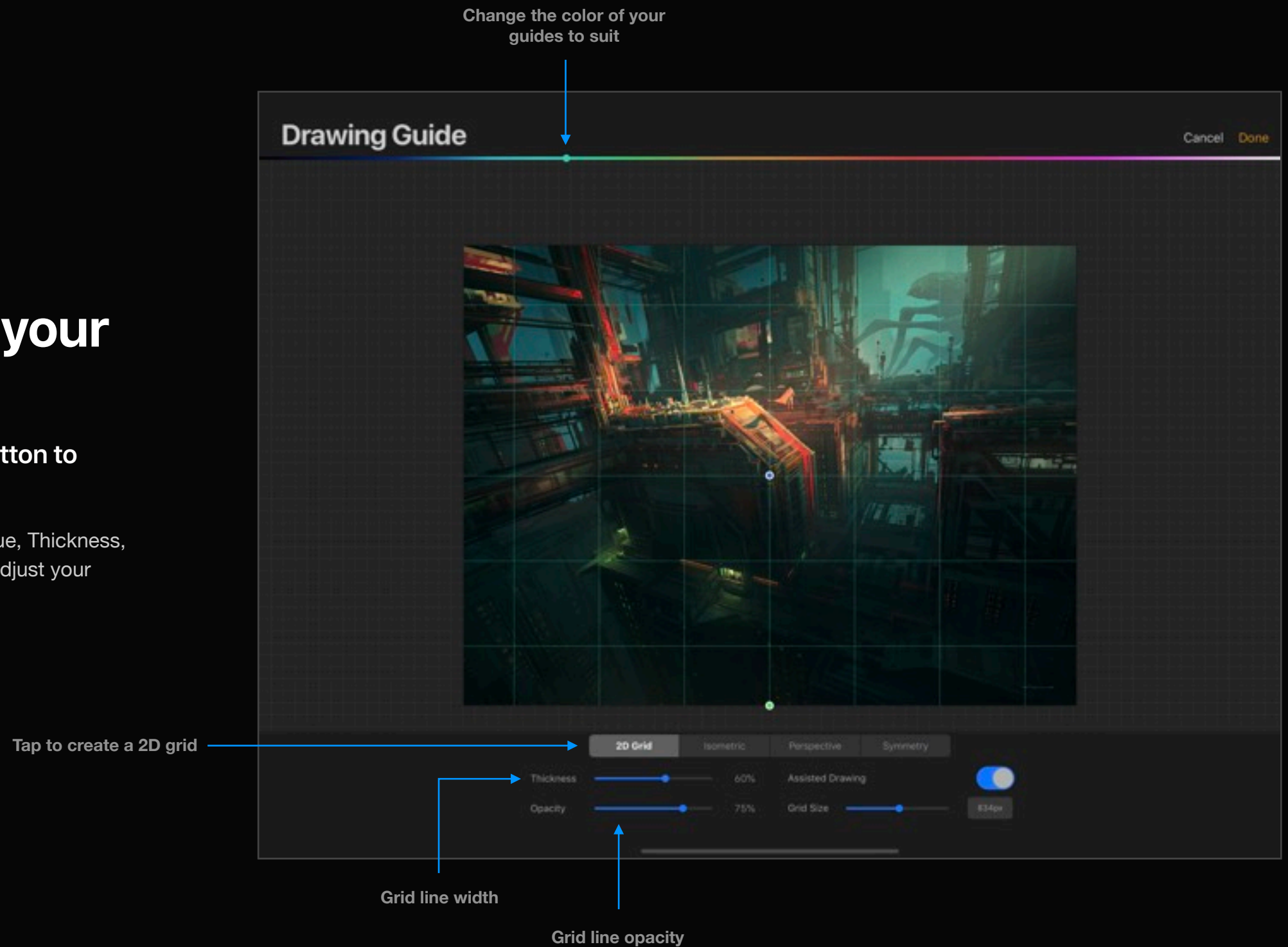
2D Guides

Learn how to create, adjust, and customize a 2D Drawing Guide.

Creating your Guide

Tap the 2D Grid button to create a Guide.

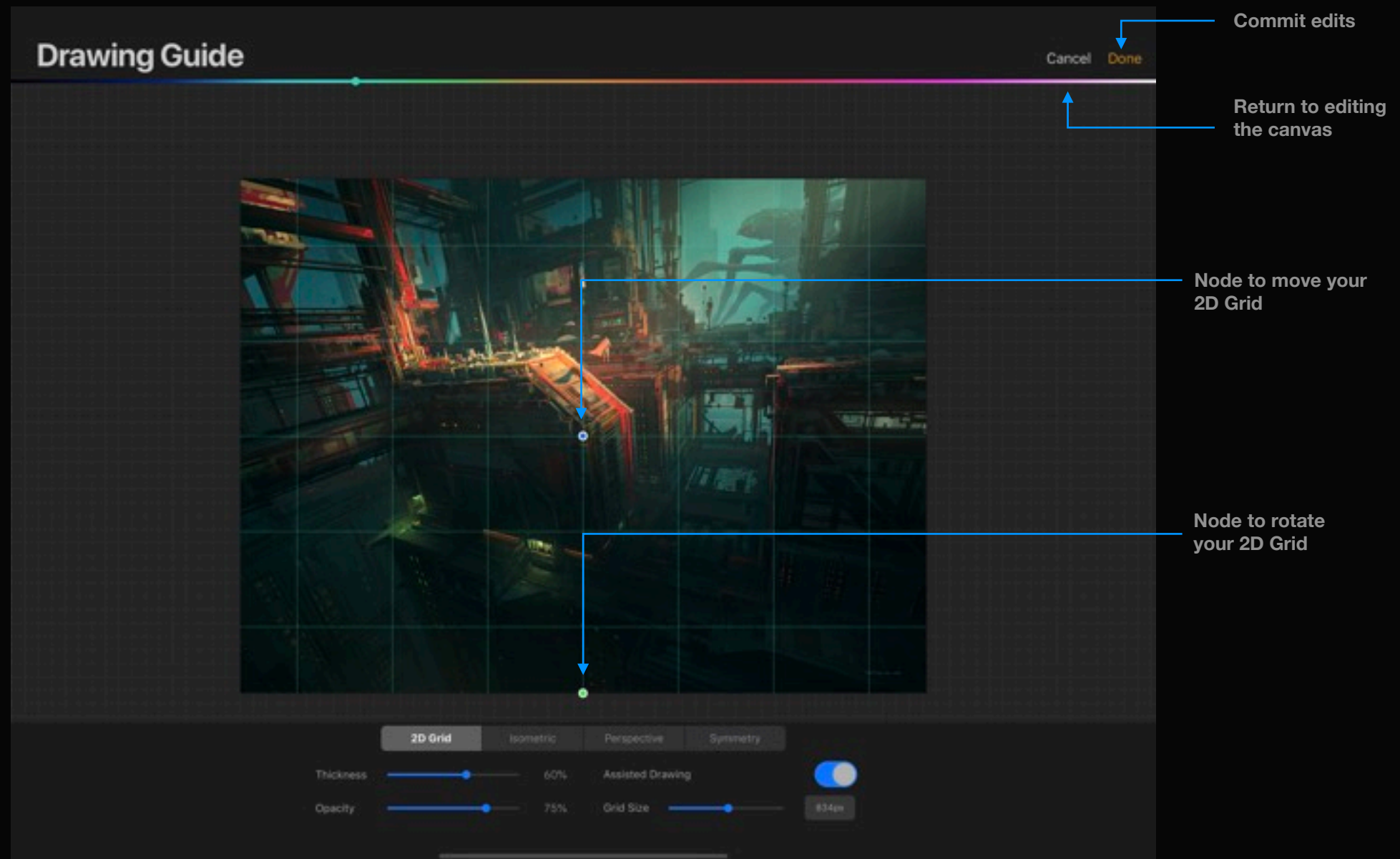
You can now use the Hue, Thickness, and Opacity sliders to adjust your Guide lines.



Position and rotation

Use the nodes to adjust the exact position of your grid lines.

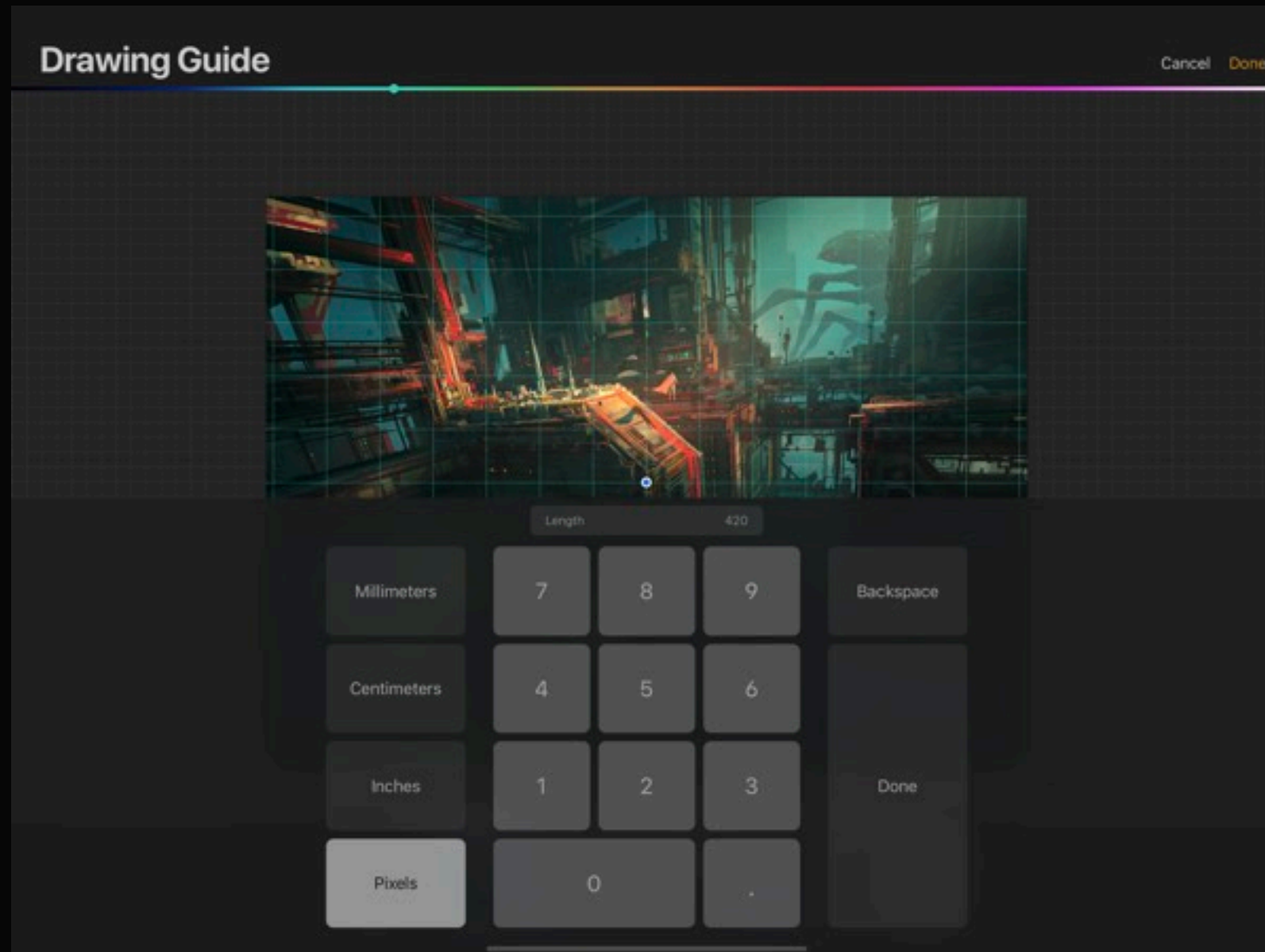
Use the two nodes to adjust your Guide. Drag the blue Positional node to move where the grid sits over the canvas, or drag the green Rotational node to rotate the grid lines. Tap either node to invoke a Reset button, then tap this to reset the node to its default position.



Adjust the grid size

Drag the Grid Size slider to adjust, or tap the readout for more control.

Tap the Grid Size readout to choose between Millimetres, Centimetres, Inches, and Pixels as a measurement, and to input an exact value.



Section 3

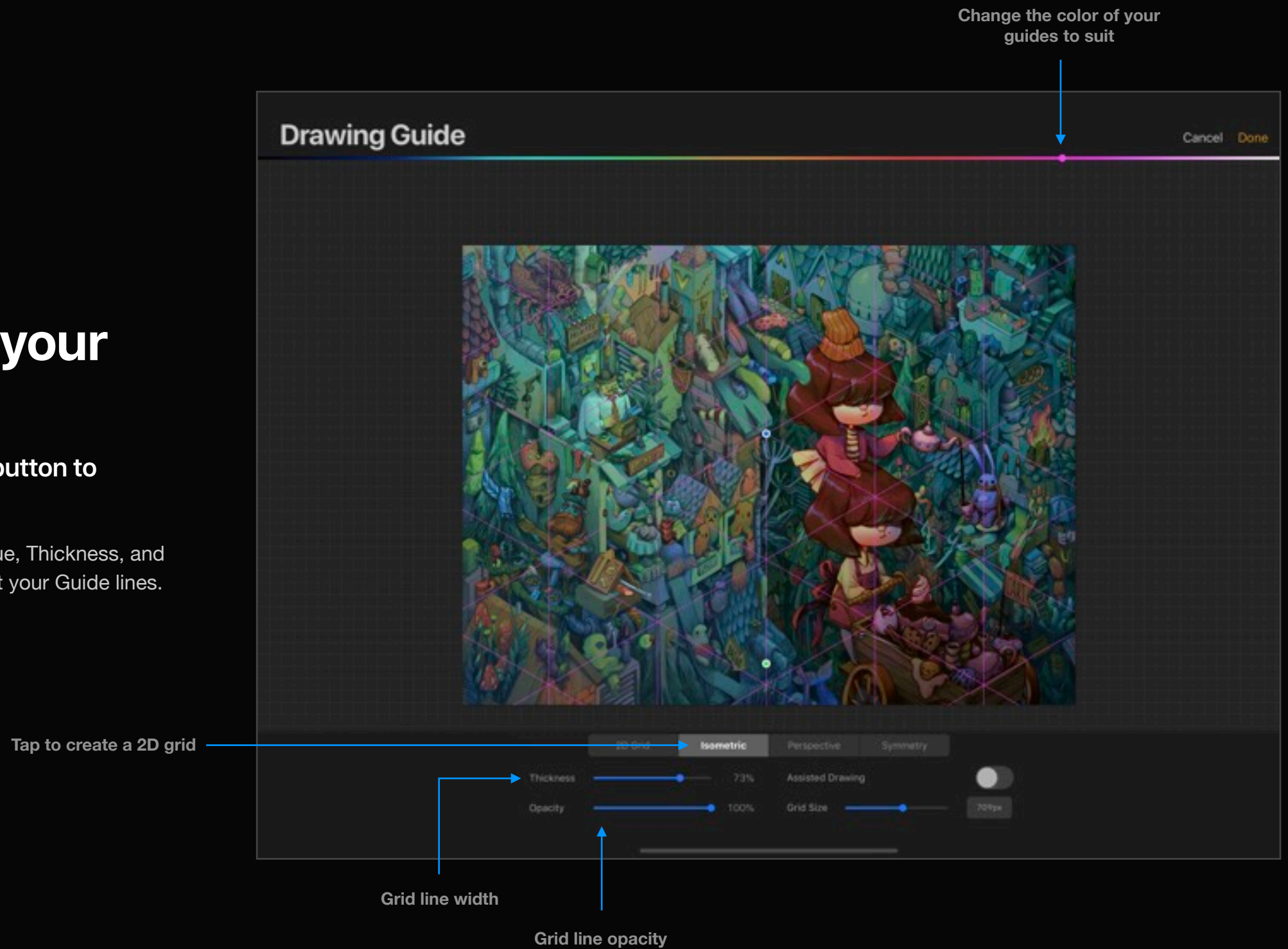
Isometric Guides

Learn how to enable the guide, enter editing mode, and add perspective vanishing points.

Creating your Guide

Tap the Isometric button to create a Guide.

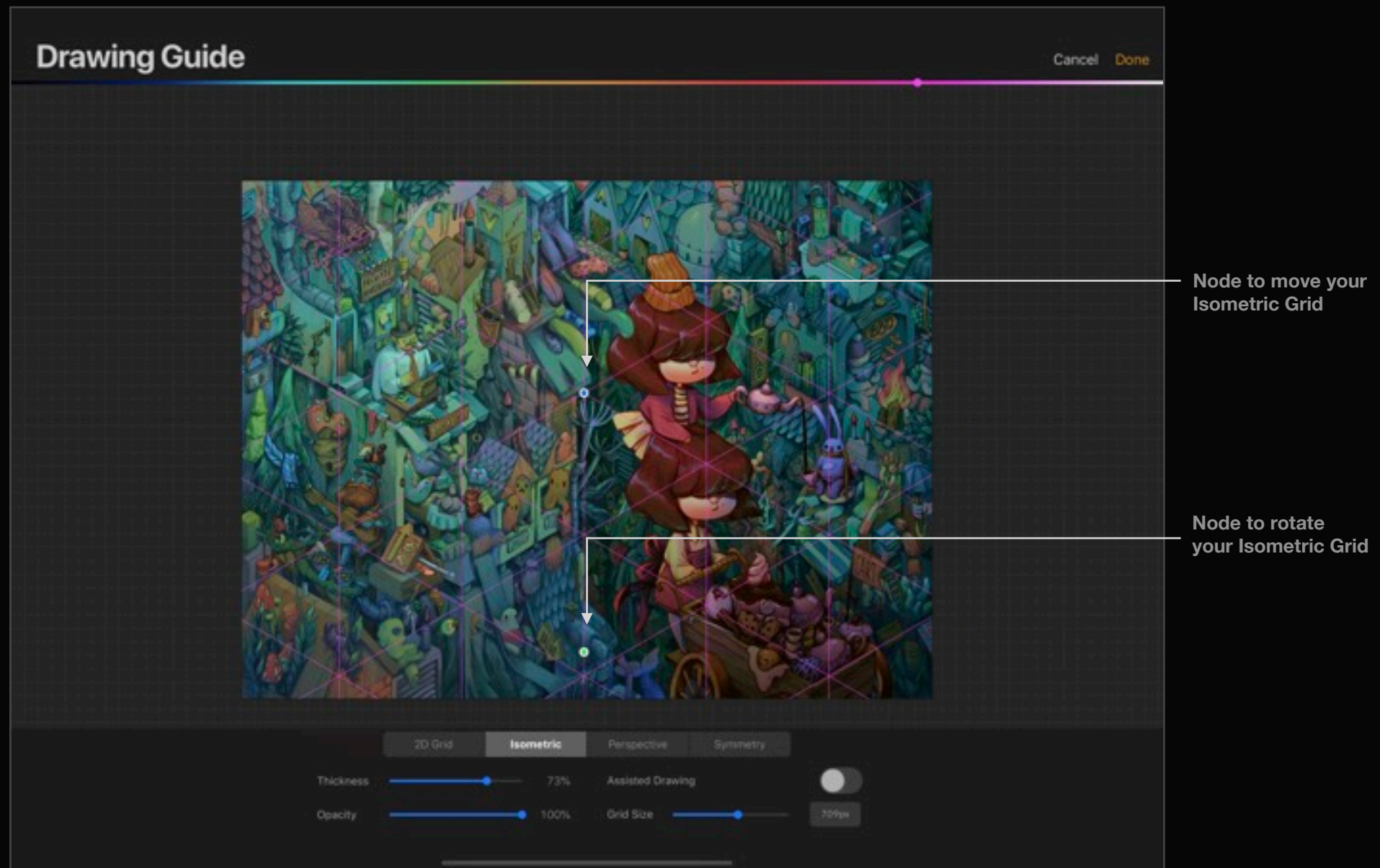
You can now use the Hue, Thickness, and Opacity sliders to adjust your Guide lines.



Position and rotation

Use the nodes to adjust the exact position of your Guide lines.

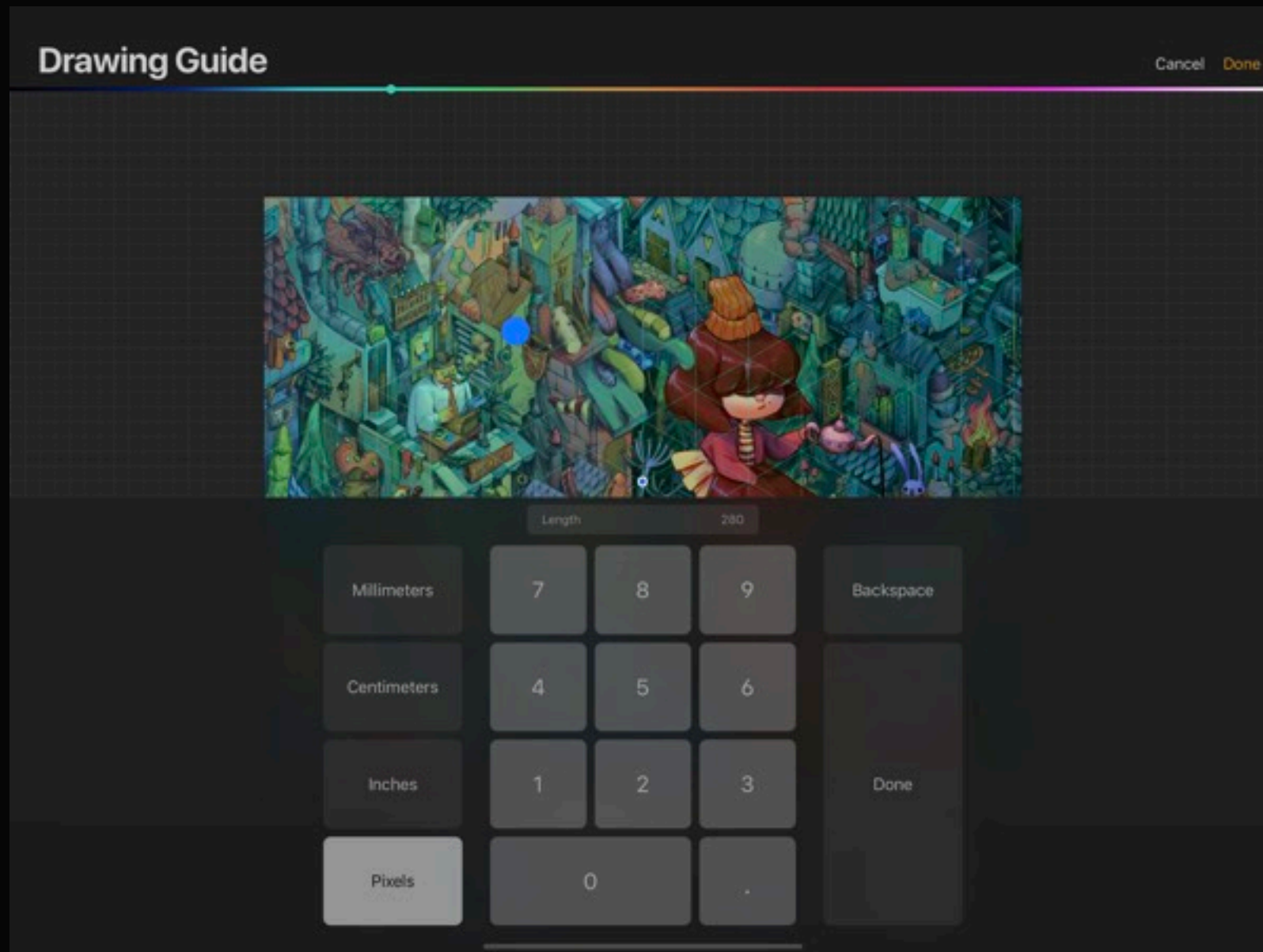
Use the two nodes to adjust your Guide. Drag the blue Positional node to move where the grid sits over the canvas, or drag the green Rotational node to rotate the grid lines. Tap either node to invoke a Reset button, then tap this to reset the node to its default position.



Adjust the Guide size

Drag the Grid Size slider to adjust, or tap the readout for more control.

Tap the Grid Size readout to choose between Millimetres, Centimetres, Inches, and Pixels as a measurement, and to input an exact value.



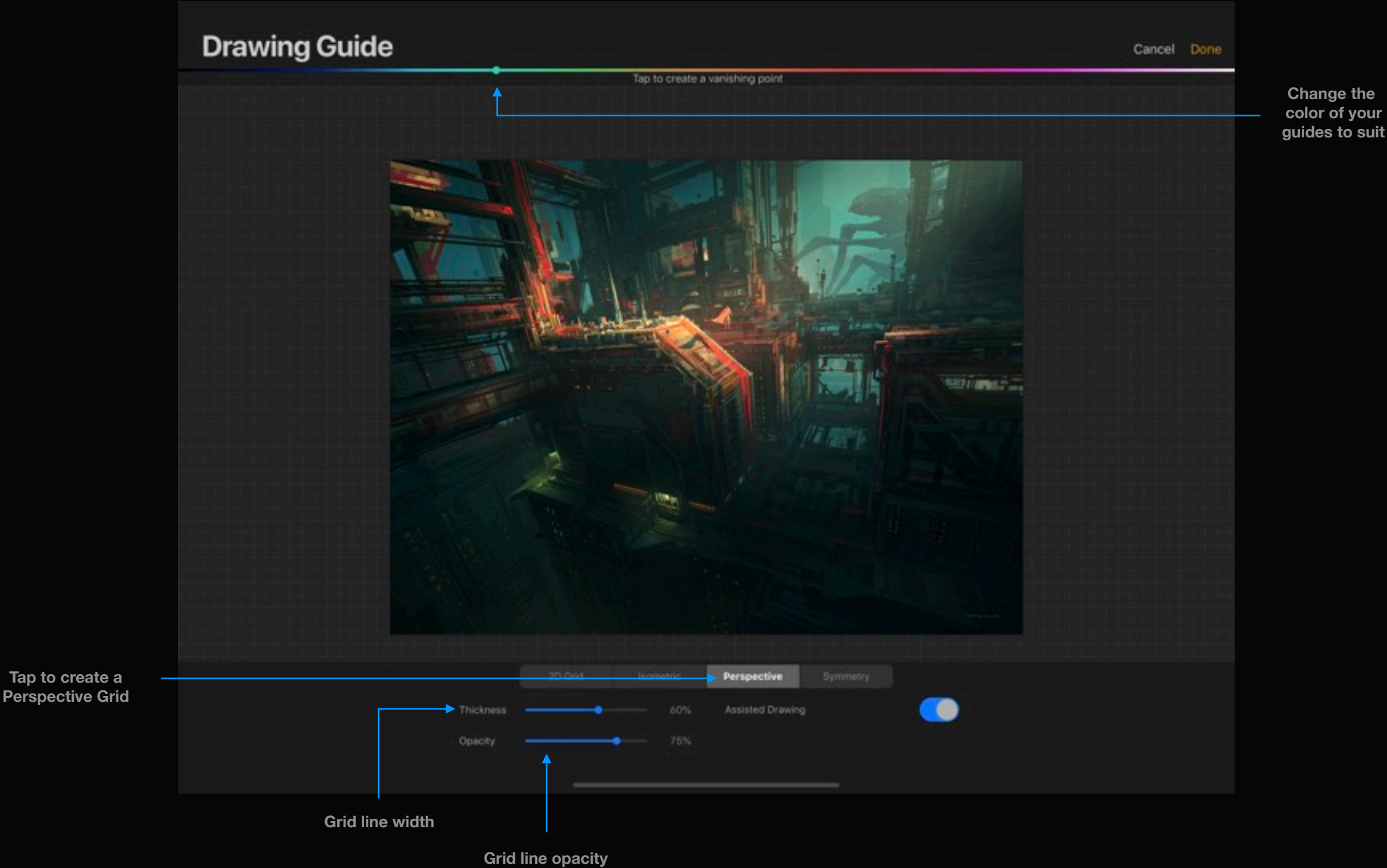
Section 4

Perspective Guides

Create a Perspective Guide by adding vanishing points and Procreate will figure out the math for you. Add guides to any layer so you can flip effortlessly between guided and freehand painting.

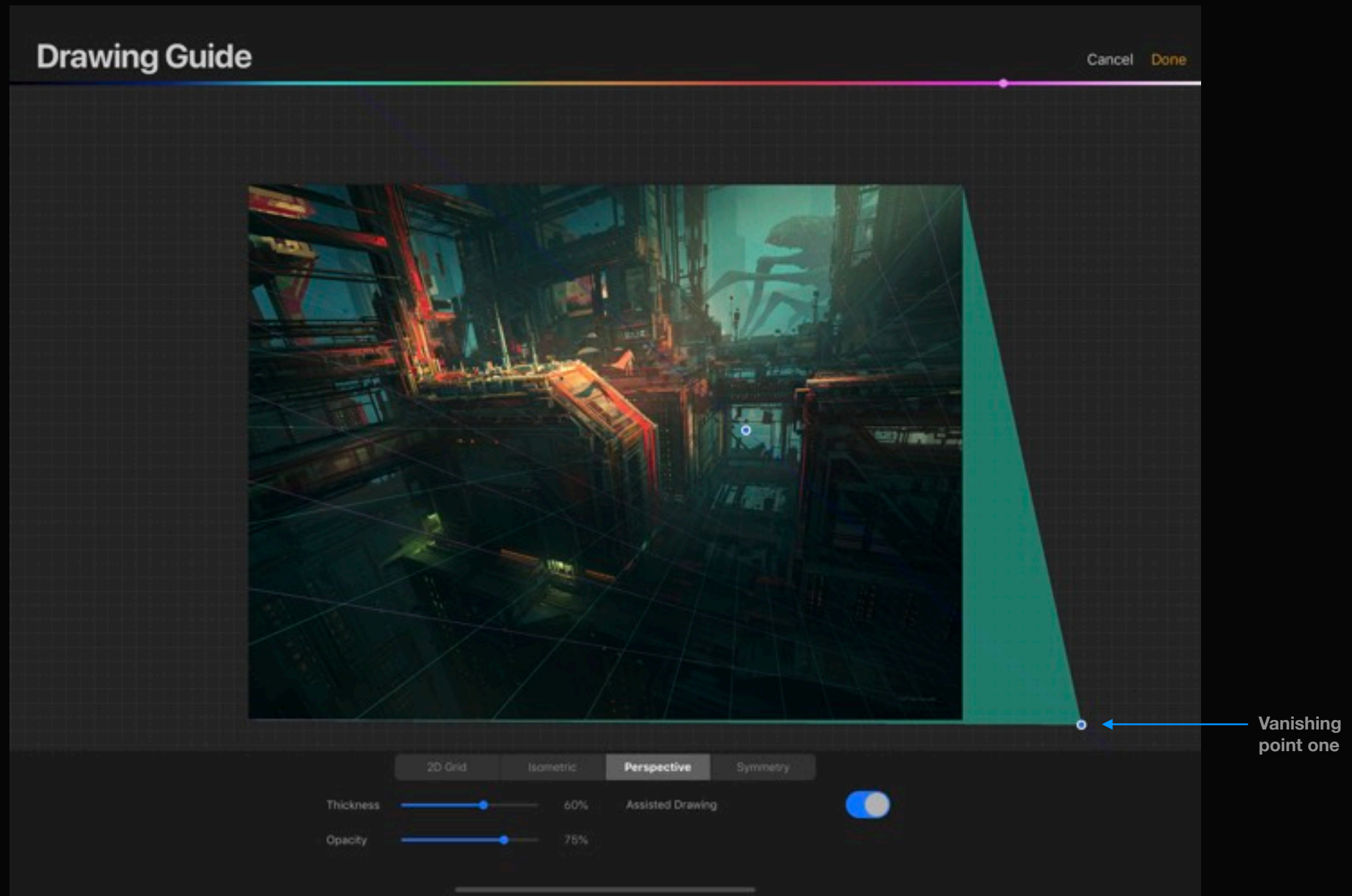
Tap the Perspective button

Tap the Perspective button to begin creating a Perspective Guide. You can now use the Hue, Thickness, and Opacity sliders to adjust your Guide lines.



Tap to create a vanishing point

Tap anywhere on the screen to create a vanishing point. You can create up to three vanishing points, and you can drag the nodes to adjust your Perspective Guide.



Single point perspective

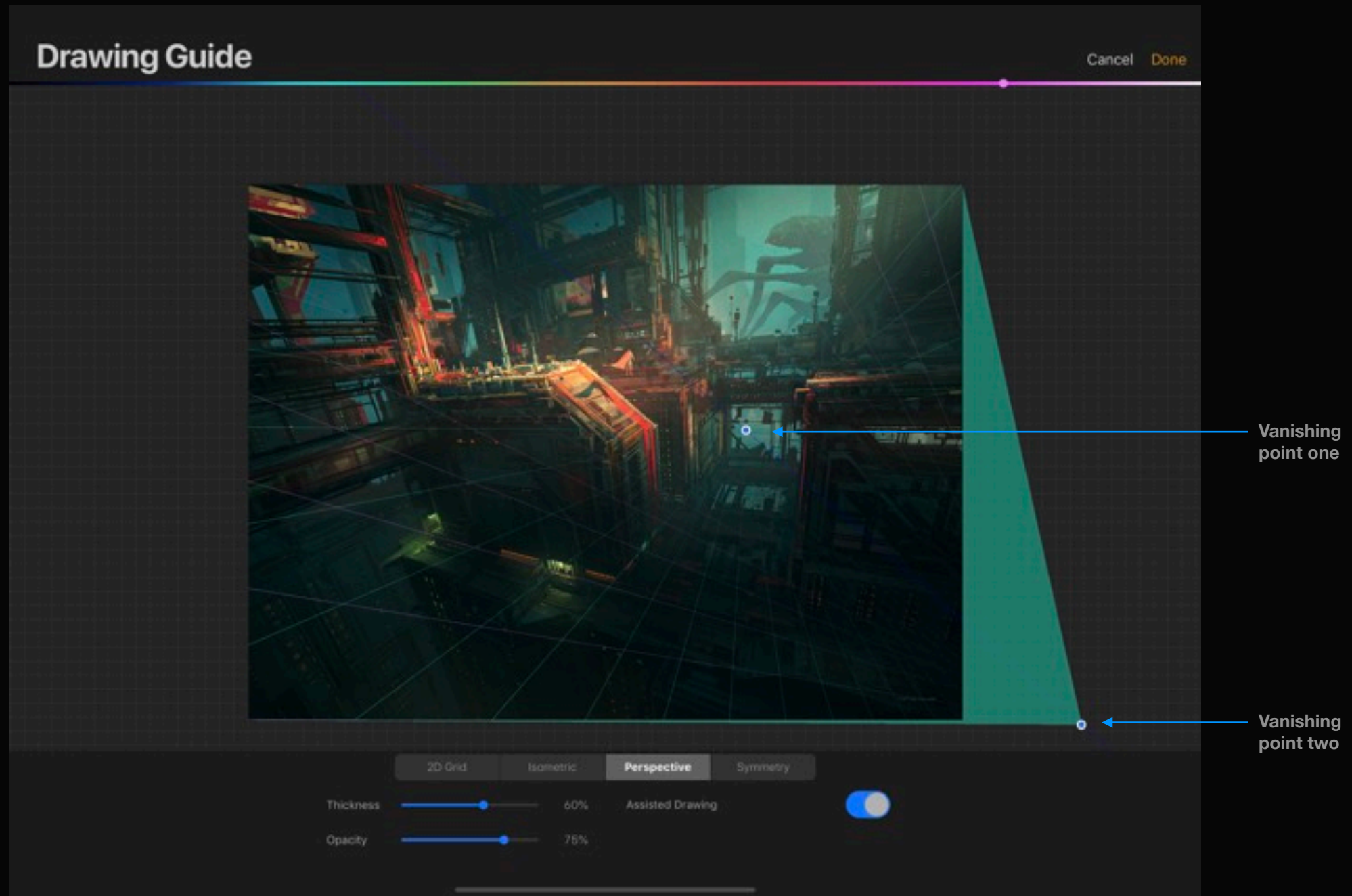
One-point Perspective, also called Parallel Perspective, is the simplest form of perspective because all objects are parallel to you, the artist. Vertical lines are parallel and horizontal lines are parallel to the horizon line.



← Horizon line

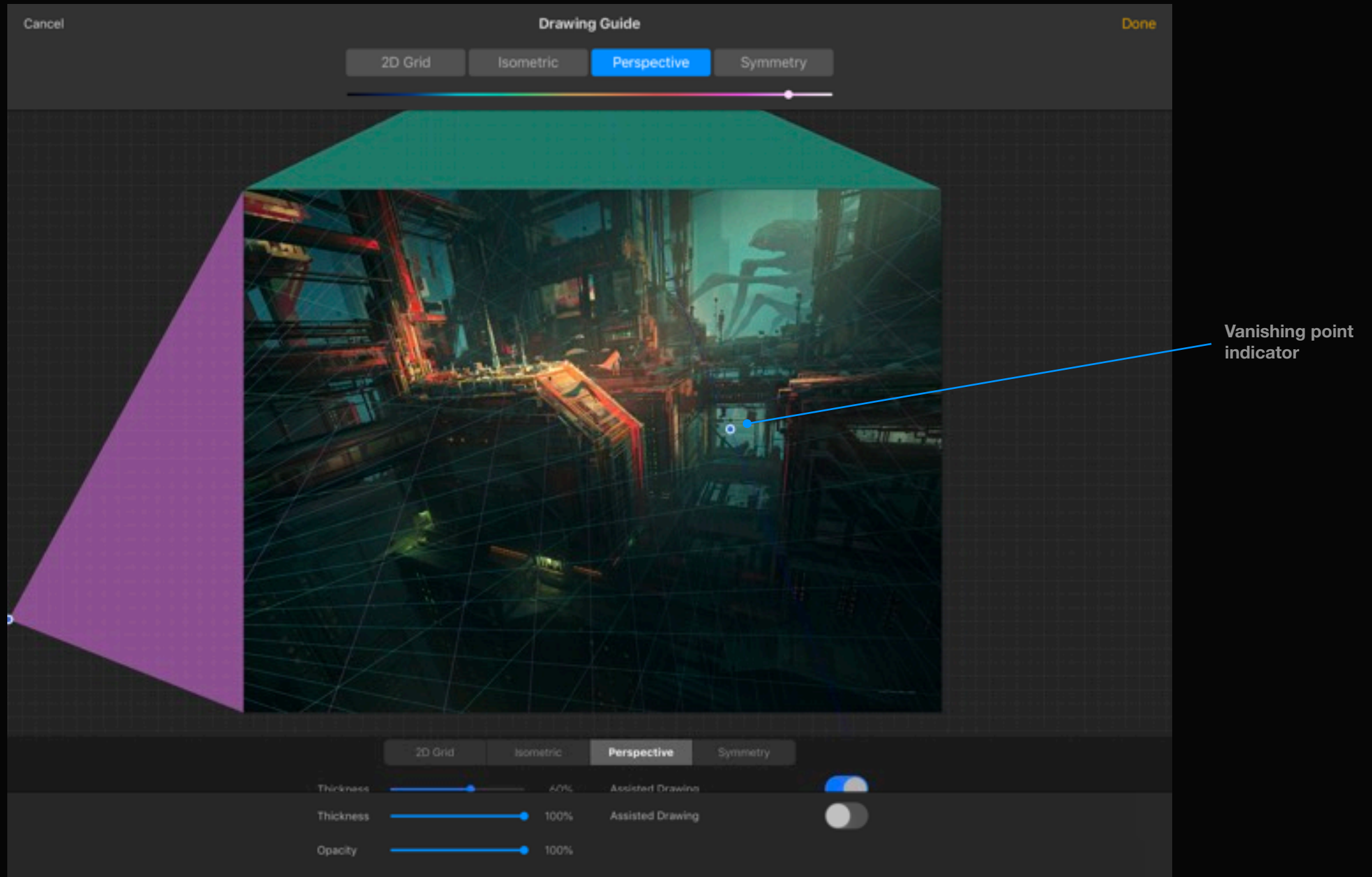
Two-point perspective

Two-point perspective uses two points placed on the horizon line. Sometimes referred as Angular Perspective, a two-point perspective is used when shapes are being viewed diagonally, or turned at an angle.



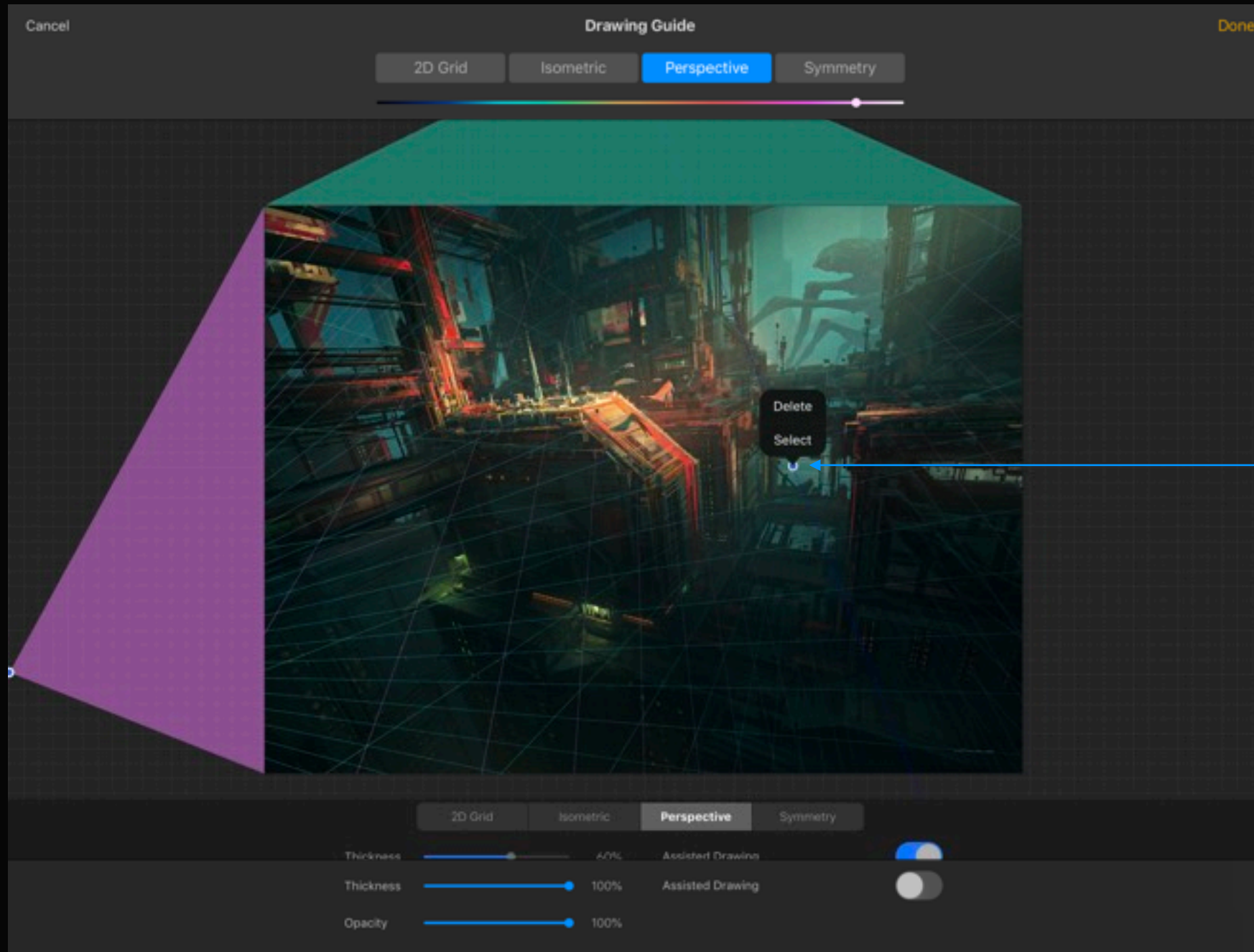
Three-point perspective

A three-point perspective can create a very convincing three-dimensional drawing. Two vanishing points are along the horizon, just like two-point, but the third vanishing point is located above or below the horizon.



Removing vanishing points

Tap on a point again to show the Delete menu. Tap Delete to remove the point.



Tap to delete

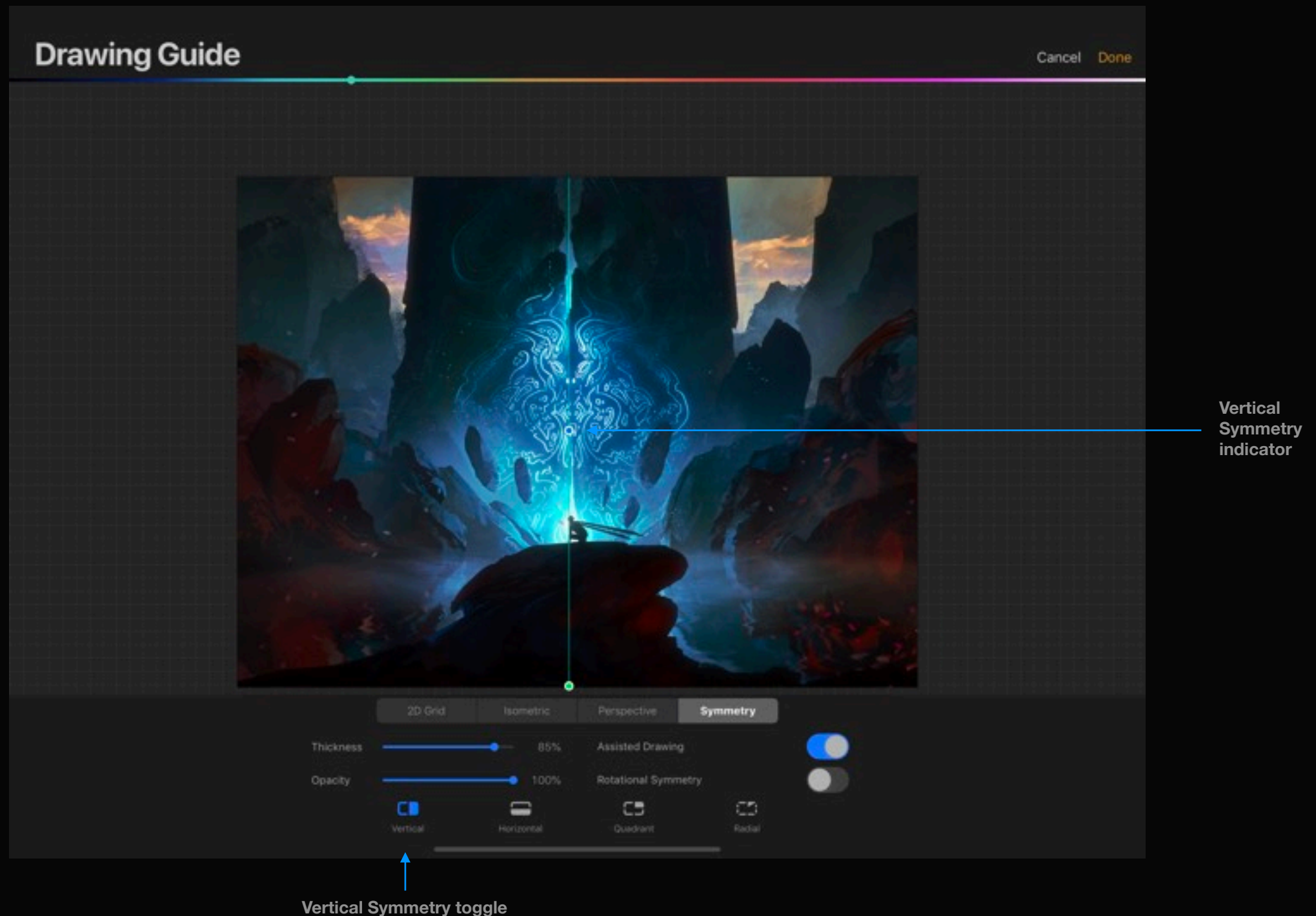
Section 5

Symmetry Guides

Learn how to create a Symmetry Guide, and use Drawing Assist to perfectly mirror your strokes.

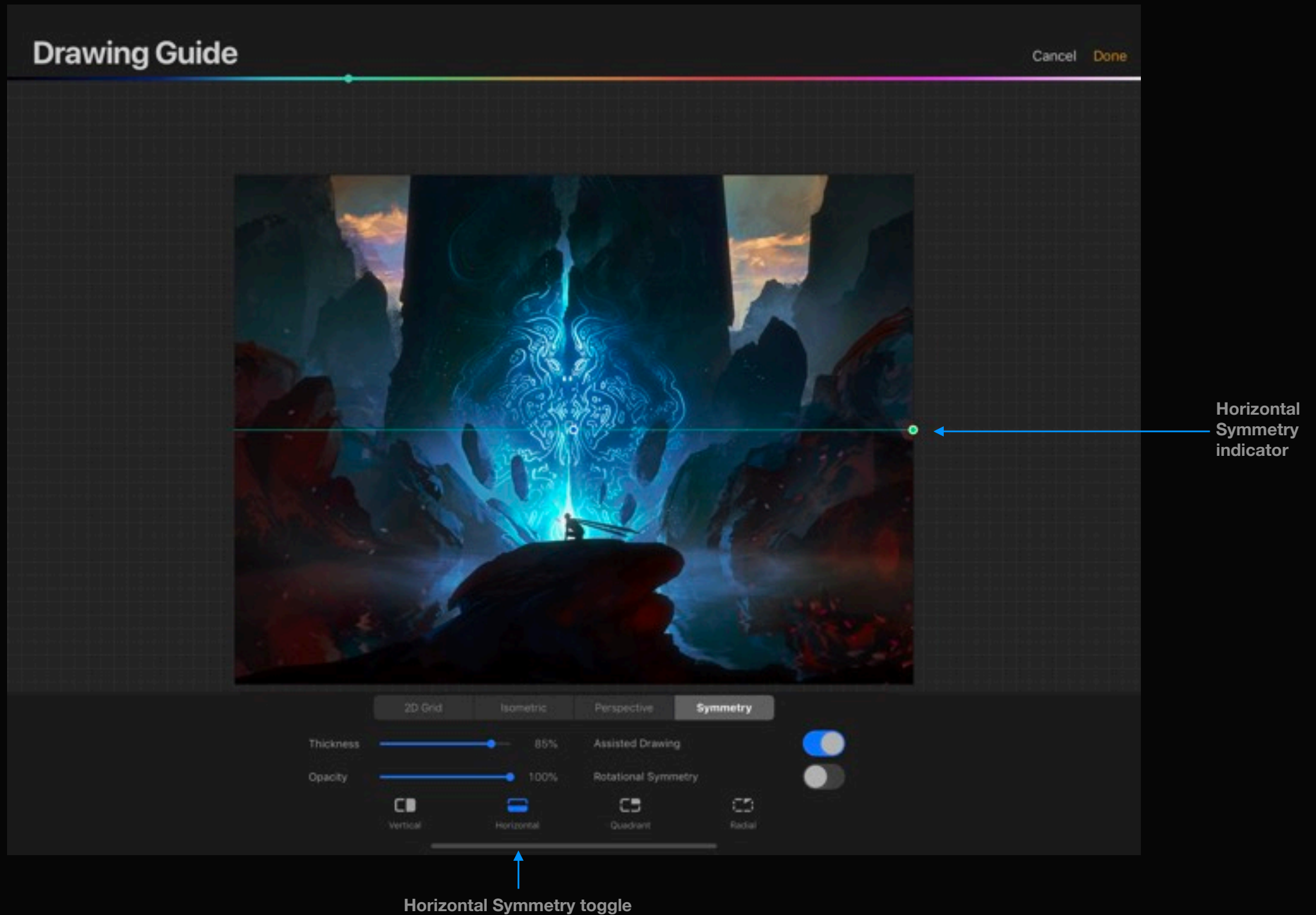
Vertical Symmetry

Tap the Vertical button to create a Vertical Symmetry Guide, splitting the canvas in two vertically. This is the Guide that will show by default when you first open Symmetry. You can now use the Hue, Thickness, and Opacity sliders to adjust your Guide lines.



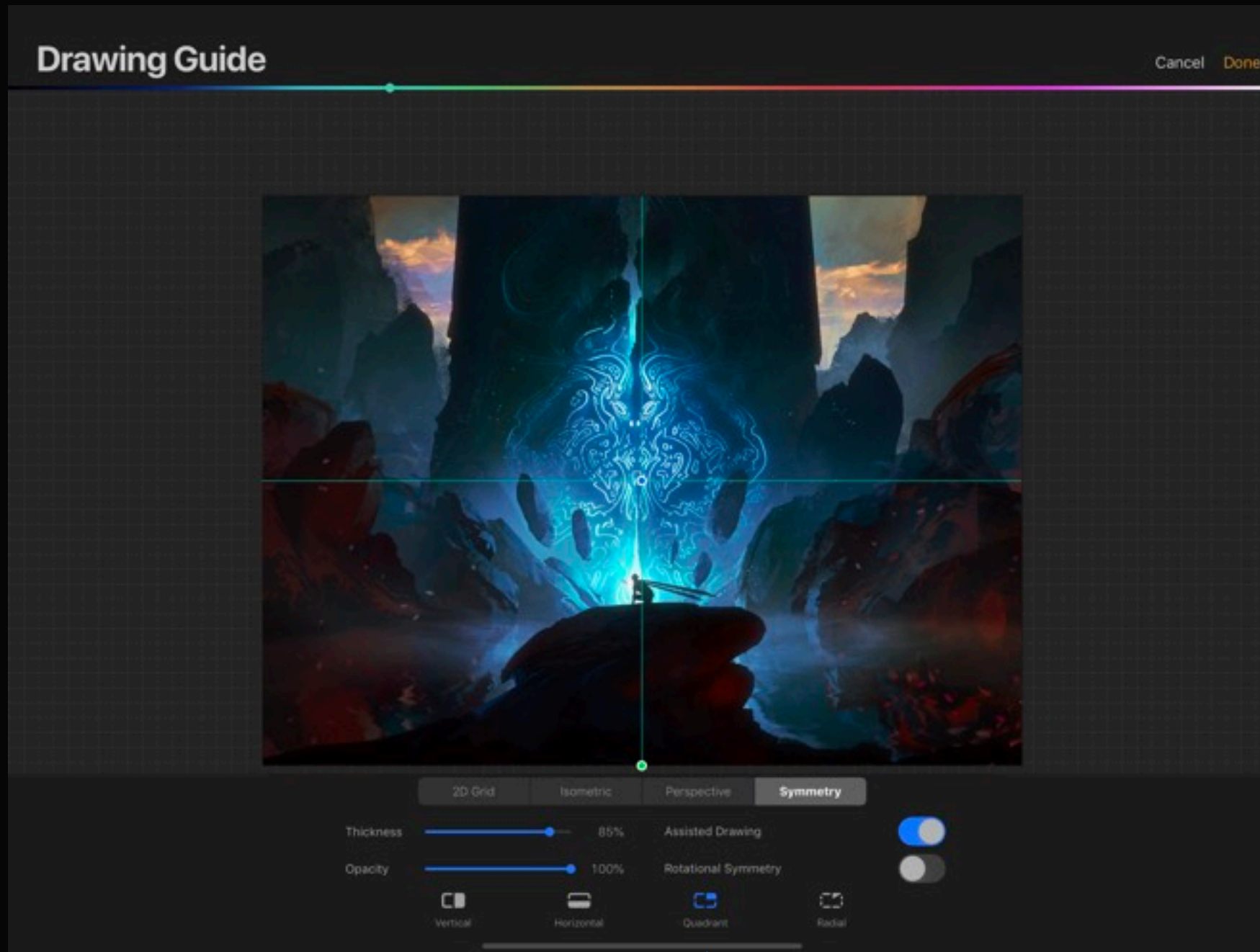
Horizontal Symmetry

Tap the Symmetry button to engage the mode, then tap the Horizontal button at the bottom. This will split the canvas in two horizontally. You can now use the Hue, Thickness, and Opacity sliders to adjust your Guide lines.



Quadrant Symmetry

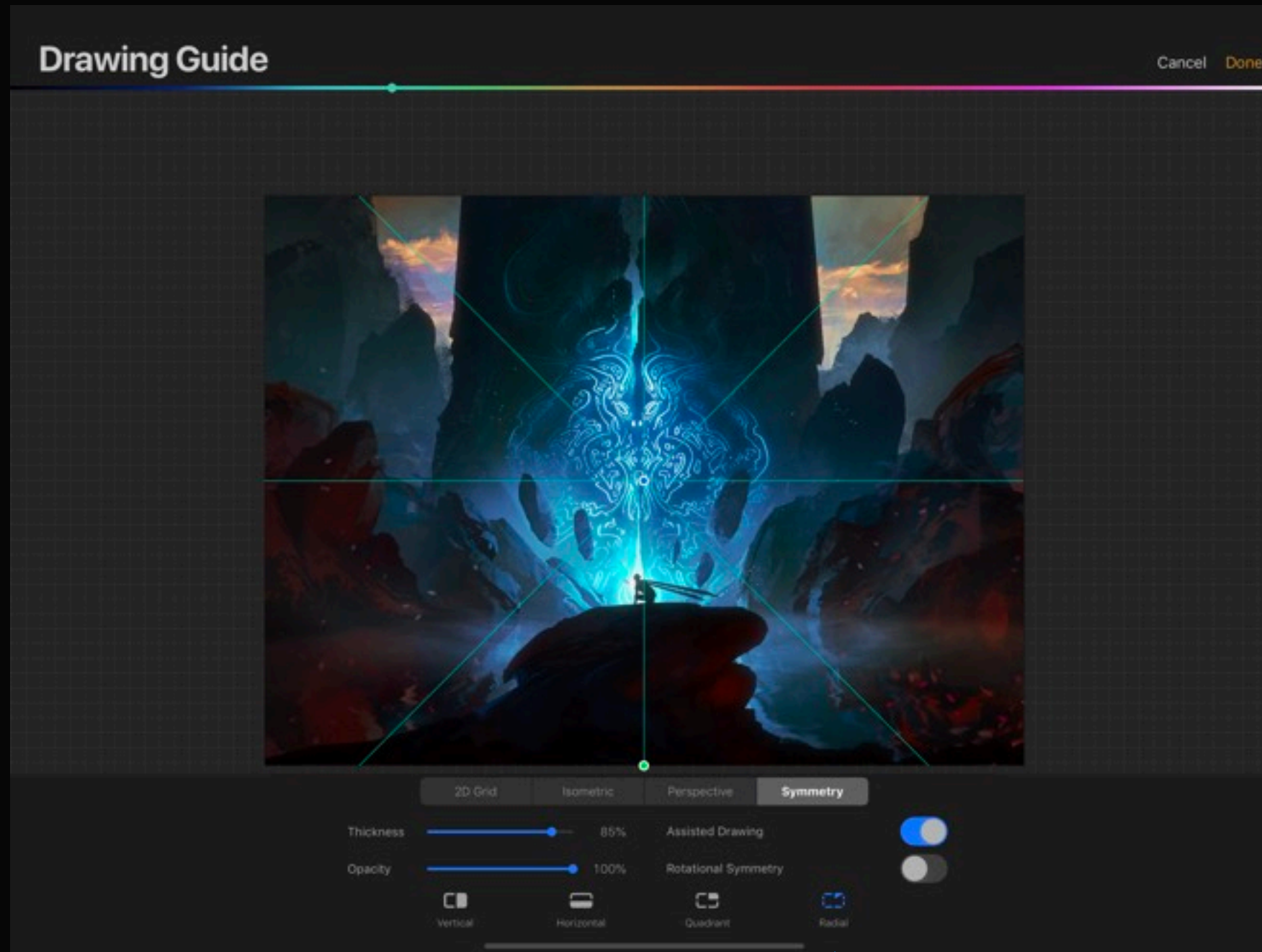
Tap the Quadrant button to split your canvas into four sections. You can now use the Hue, Thickness, and Opacity sliders to adjust your Guide lines.



Quadrant Symmetry toggle

Radial Symmetry

Tap the Radial button to split your canvas into eight sections around a single point. You can now use the Hue, Thickness, and Opacity sliders to adjust your Guide lines.

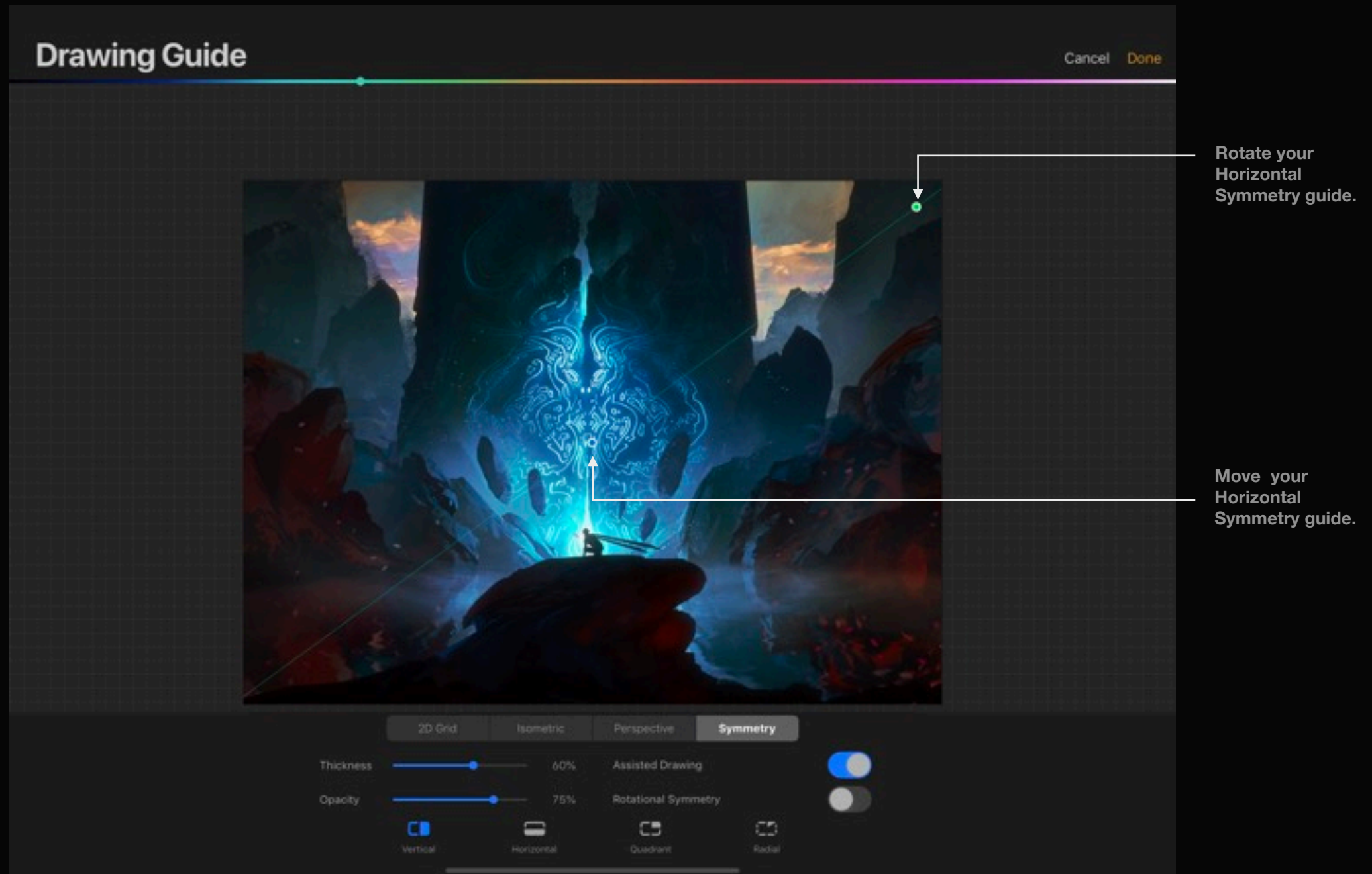


Radial Symmetry toggle

Position and rotation

Use the nodes to adjust the exact position of your Guide lines.

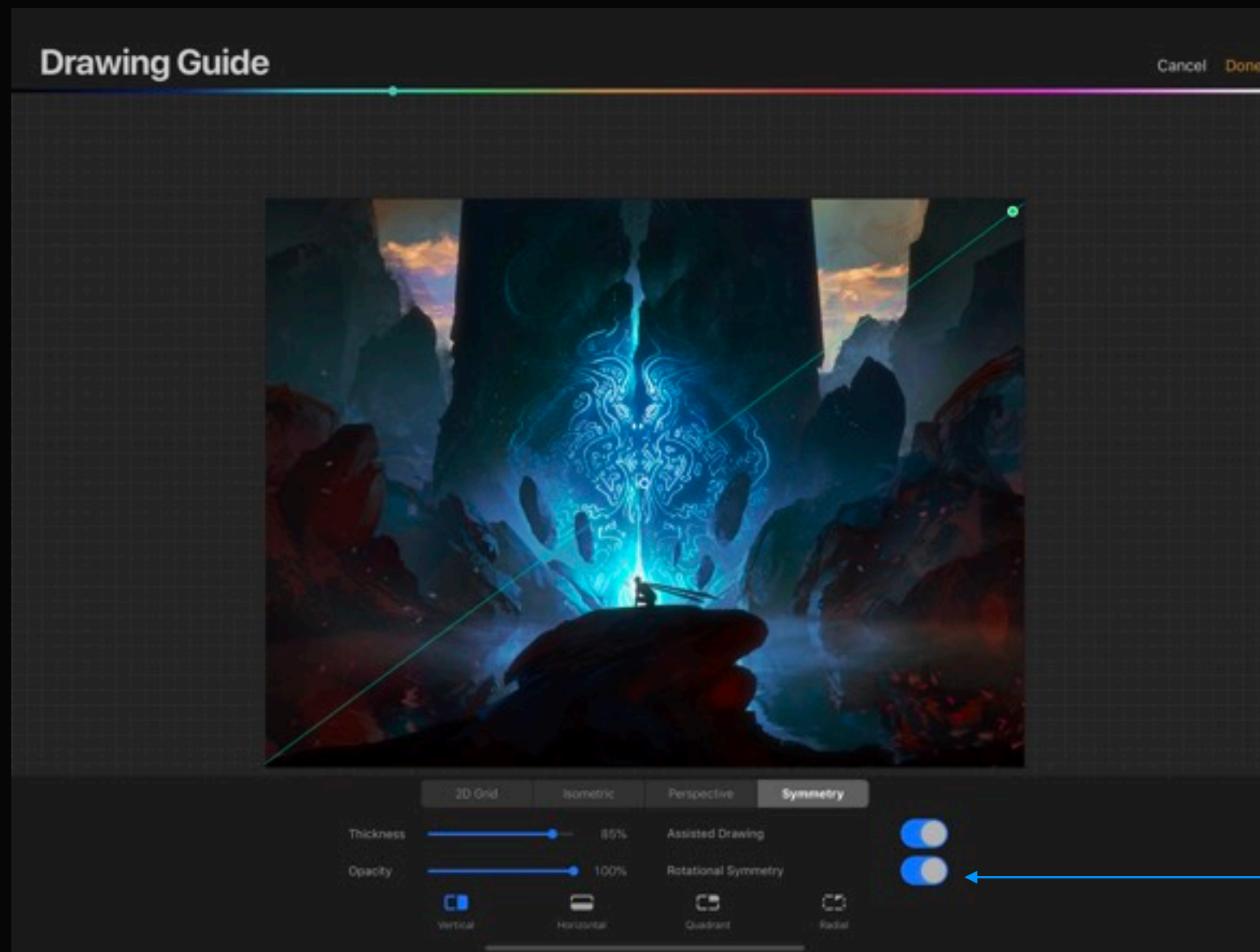
All Symmetry Guides can be moved and rotated using the two nodes. Drag the blue Positional node to move where the grid sits over the canvas, or drag the green Rotational node to rotate the grid lines. Tap either node to invoke a Reset button, then tap this to reset the node to its default position.



Rotational Symmetry

Switch any Symmetry Guide to be Mirrored or Rotational.

By default, a new Symmetry Guide has Rotational Symmetry deactivated, putting it into Mirrored mode. This means that the opposite of your stroke will be replicated by the Guide, like a Mirror. If Rotational Symmetry is turned on, your strokes will instead be replicated and rotated. Try creating a radial Guide and experimenting with Mirrored and Rotational modes to see the difference.



When on, this enables Rotational Symmetry. When off, Symmetry will be in Mirrored mode.

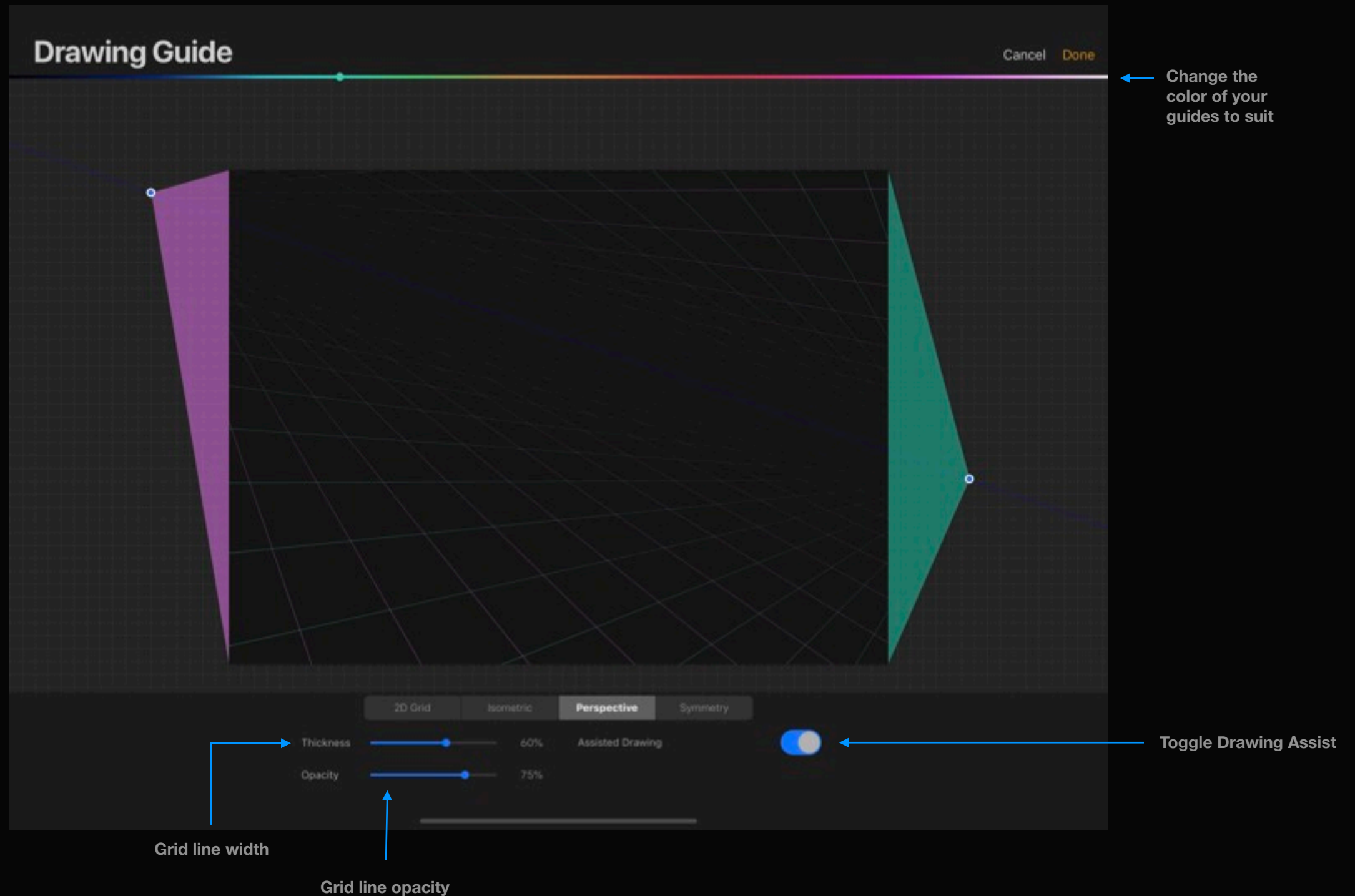
Section 6

Drawing Assist

Create technically accurate drawings while Procreate does the heavy lifting. Activate Drawing Assist to have strokes line up with your Guide like magic.

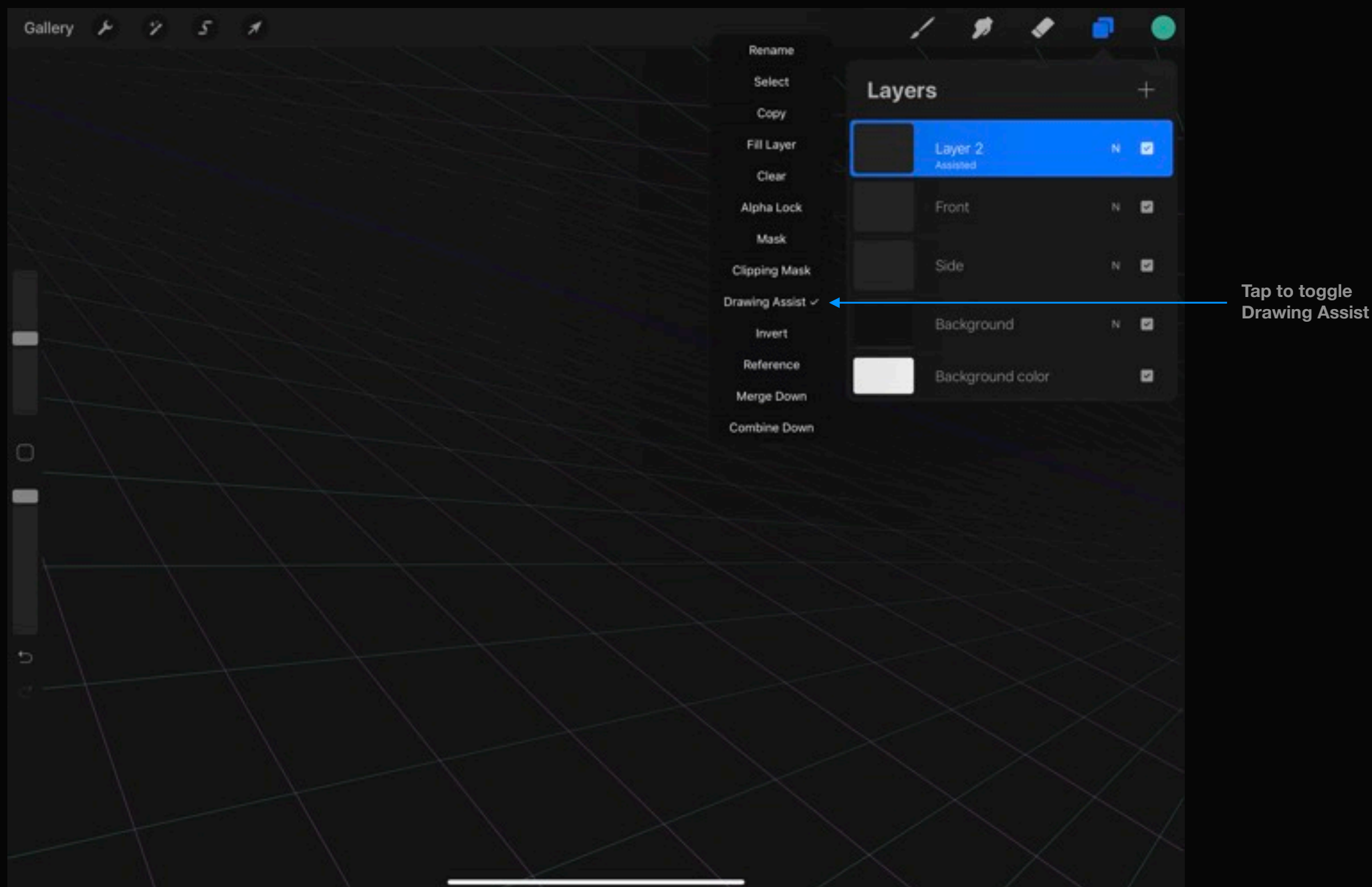
Begin Assisted

Turn Perspective Assist on when you create your Guide. This will make the current primary layer Assisted.



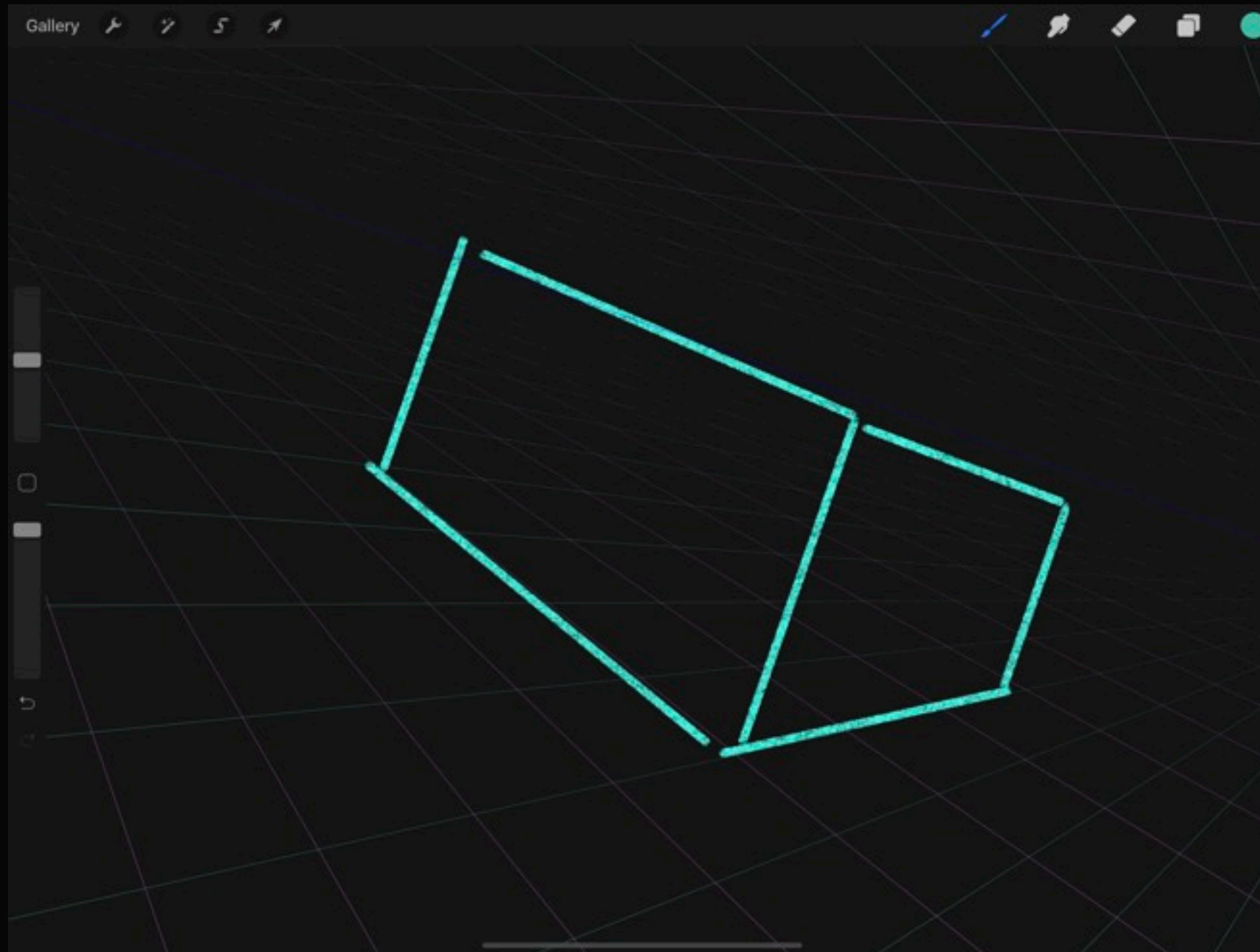
Make any layer Assisted

You can toggle Drawing Assist on or off for any layer from the Layer Options menu.



Draw like a pro

Every time you draw a stroke with any of the tools on an Assisted layer, the stroke will automatically be constrained to a 2D, Isometric, or Perspective Guide. If you're using a Symmetry Guide, Drawing Assist will enable Symmetry on your strokes.

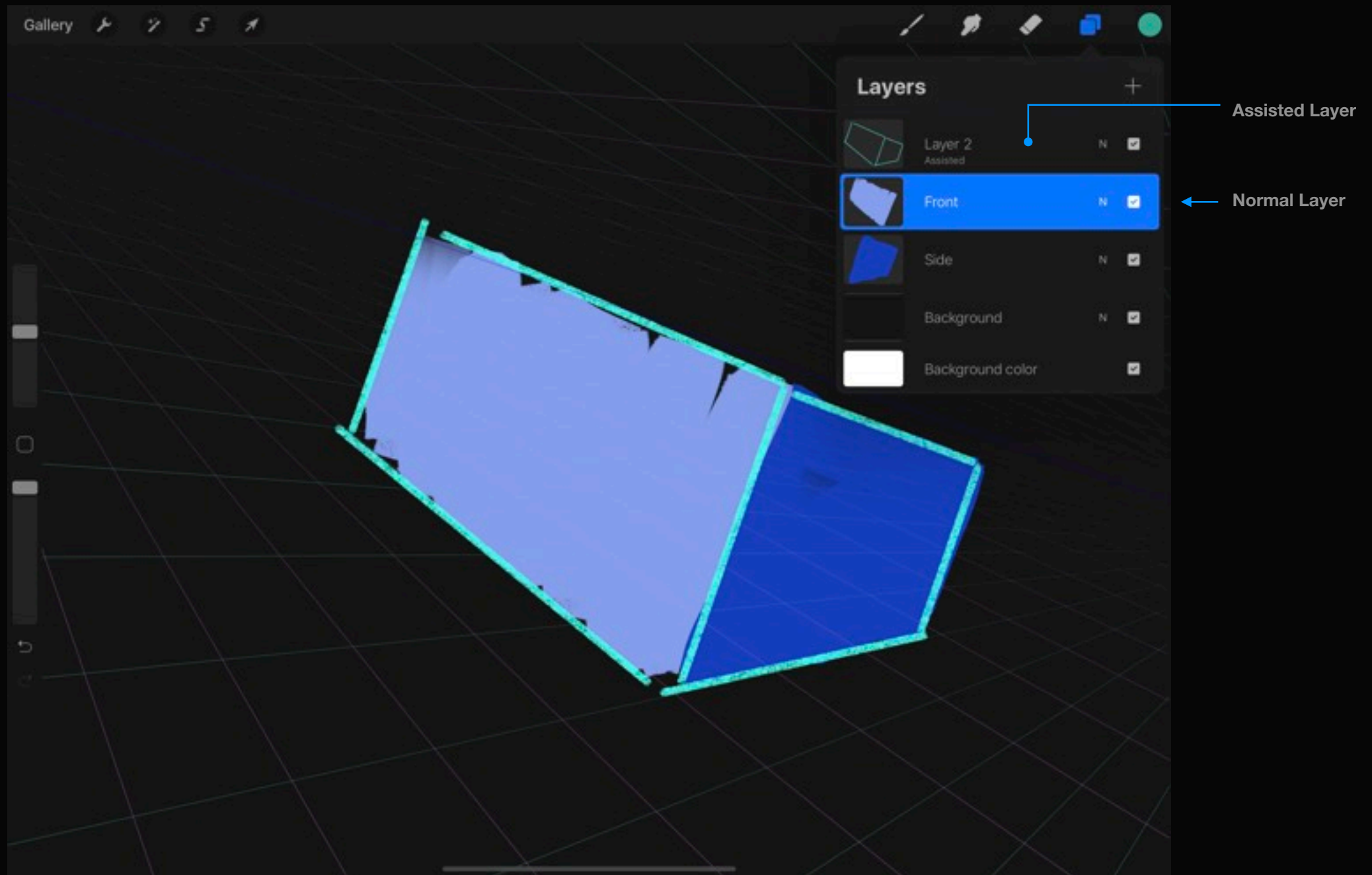


Pro tip:

You're not constrained to the guidelines! They're just there to help you out. You can draw using assist whether you're near a line or not.

Use multiple layers

Any layer that doesn't have Drawing Assist enabled works like an ordinary layer. Try making shape outlines with a Drawing Assist layer, and then doing your shading work in another layer entirely.



Workflows

The background of the slide features a series of smooth, flowing waves in shades of purple and pink, creating a modern and dynamic aesthetic. The waves originate from the bottom left and sweep across the frame towards the right, with some areas appearing more saturated than others, giving a sense of depth and movement.

Section 1

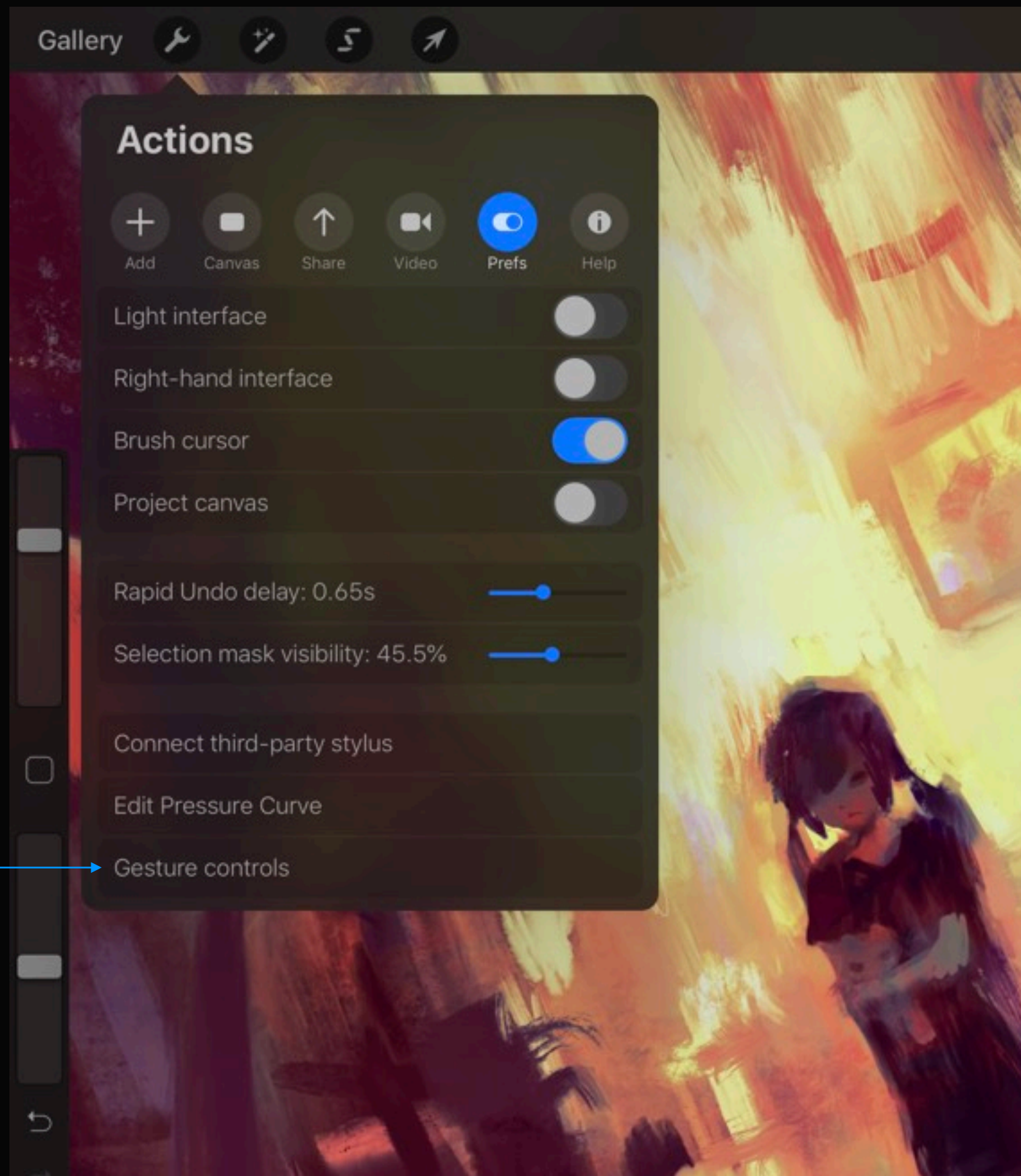
QuickMenu

Learn how to enable and invoke QuickMenu, and how to customize each option to make the most of this powerful tool.

Finding QuickMenu

First open the Gesture controls.

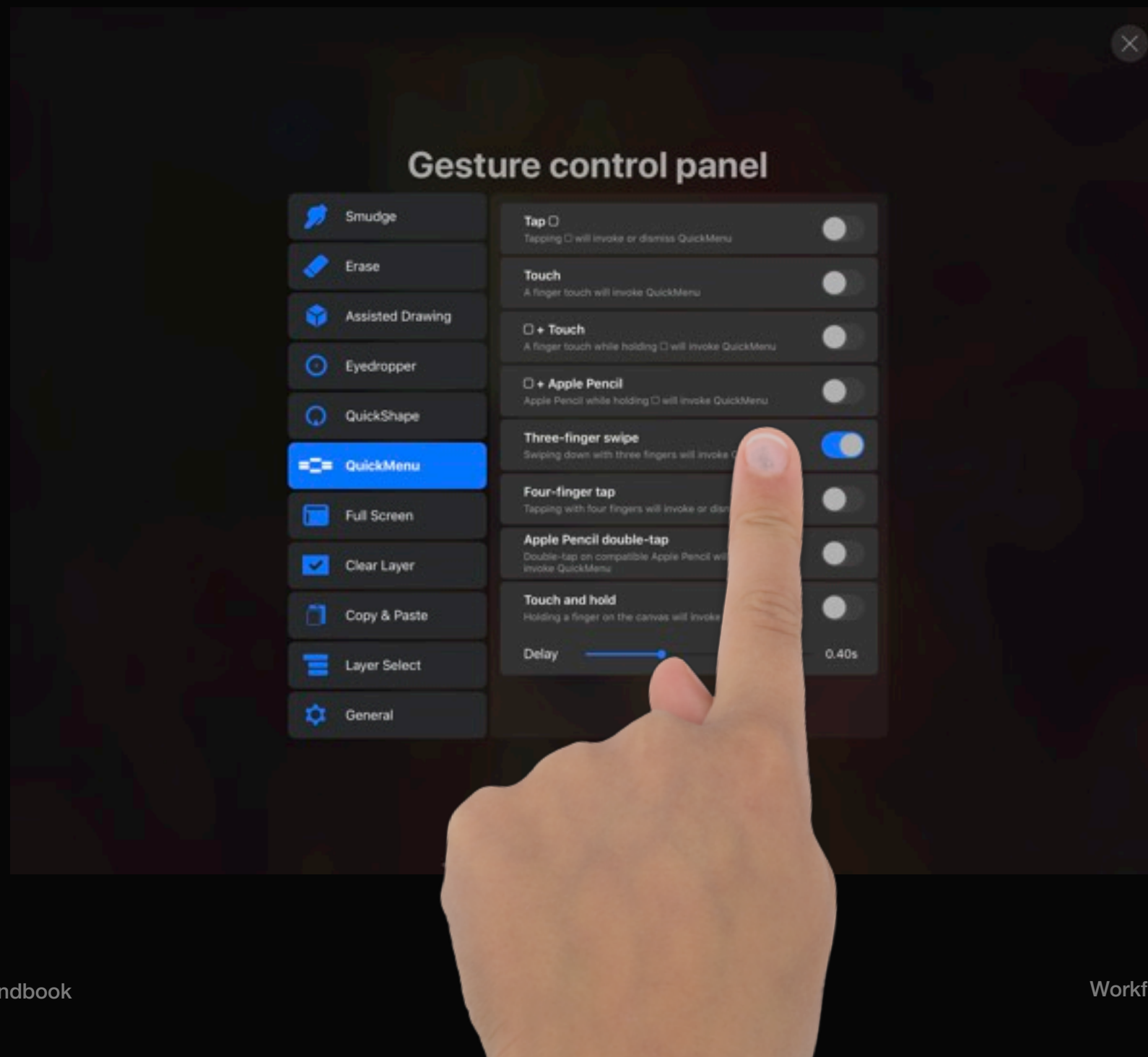
Tap to open



Turning on QuickMenu

To turn on QuickMenu, tap the QuickMenu button on the left, then choose at least one of the options on the right.

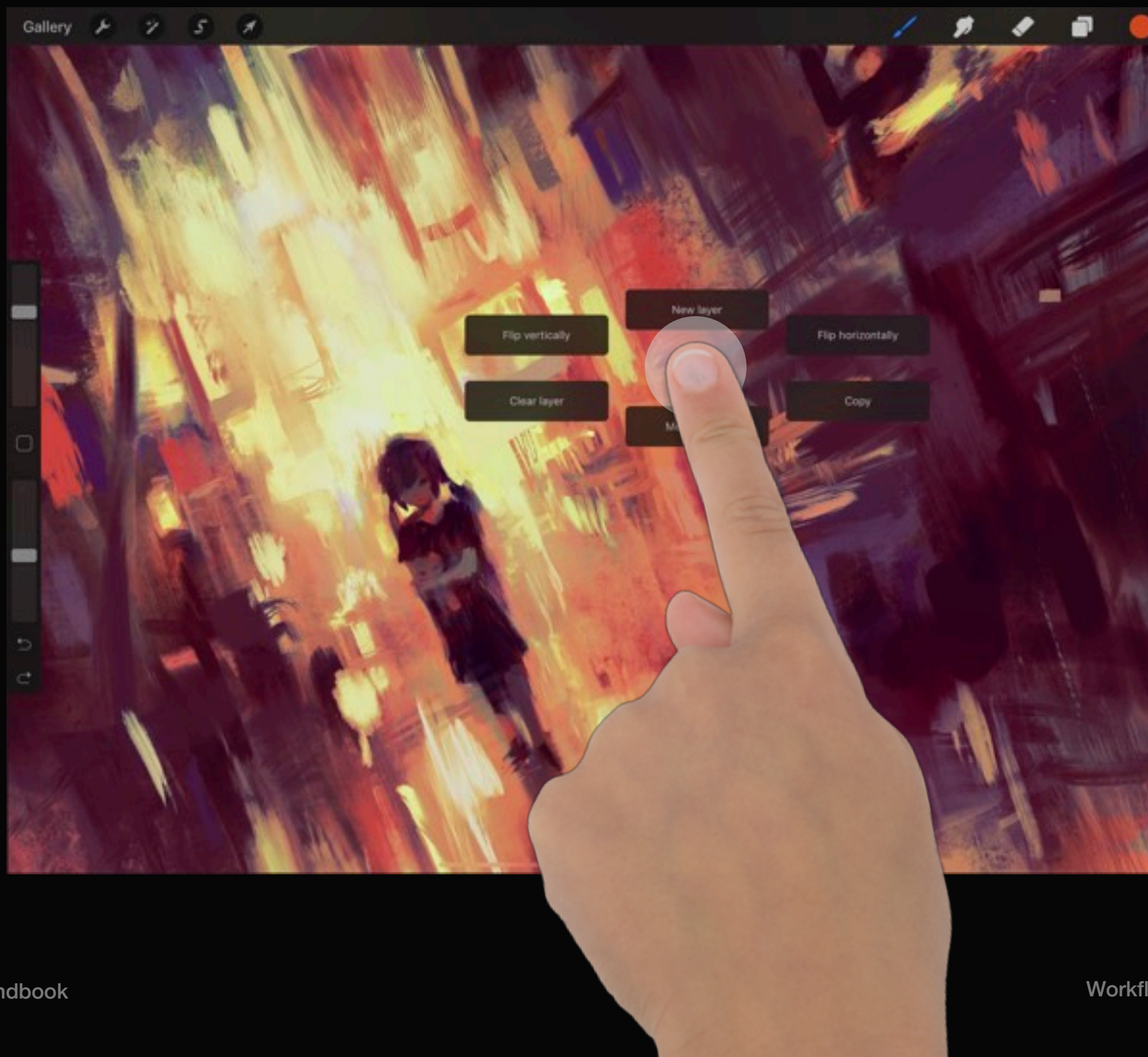
You can choose as many options as you like from the available gestures. QuickMenu can be invoked by using any selected method.



Activating QuickMenu

You can now invoke QuickMenu using any method you selected in gesture controls.

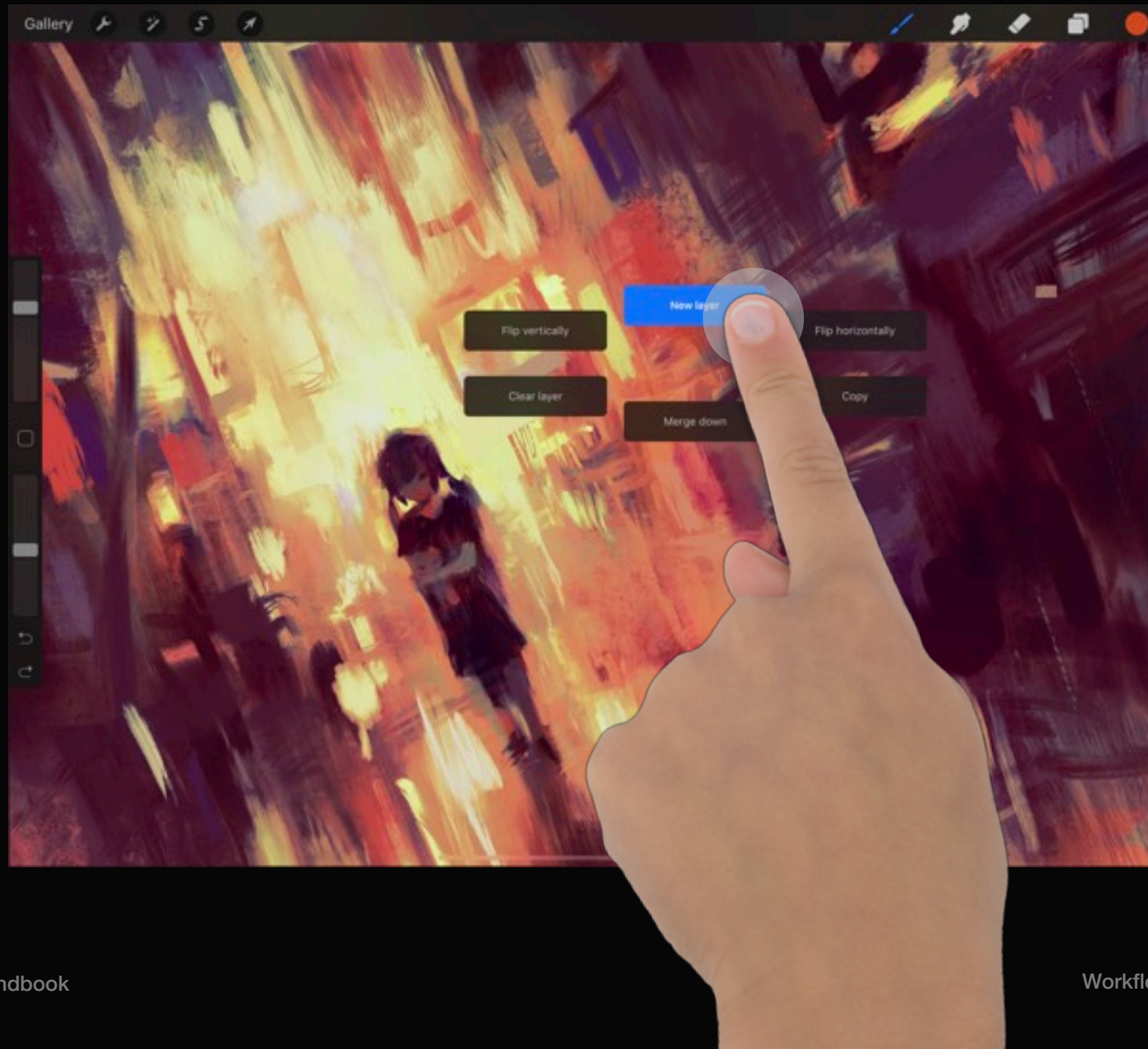
Once you've invoked QuickMenu, just tap one of the options to select it. Or, if you've invoked QuickMenu by touching the canvas, you can just swipe or flick one of the options, making for an incredibly fast workflow.



Slide for rapid activation

Simply flick towards an option to select it instantly.

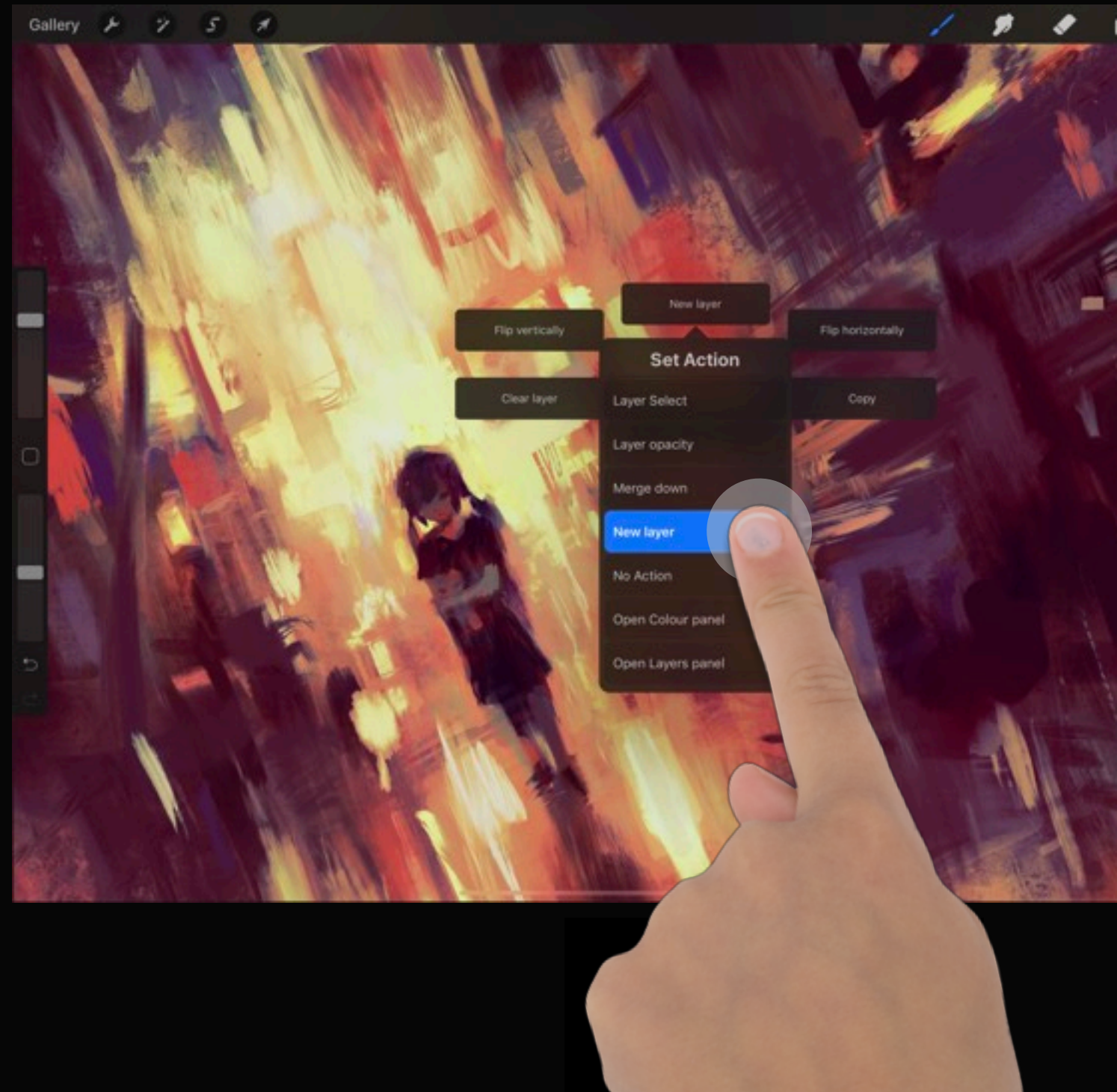
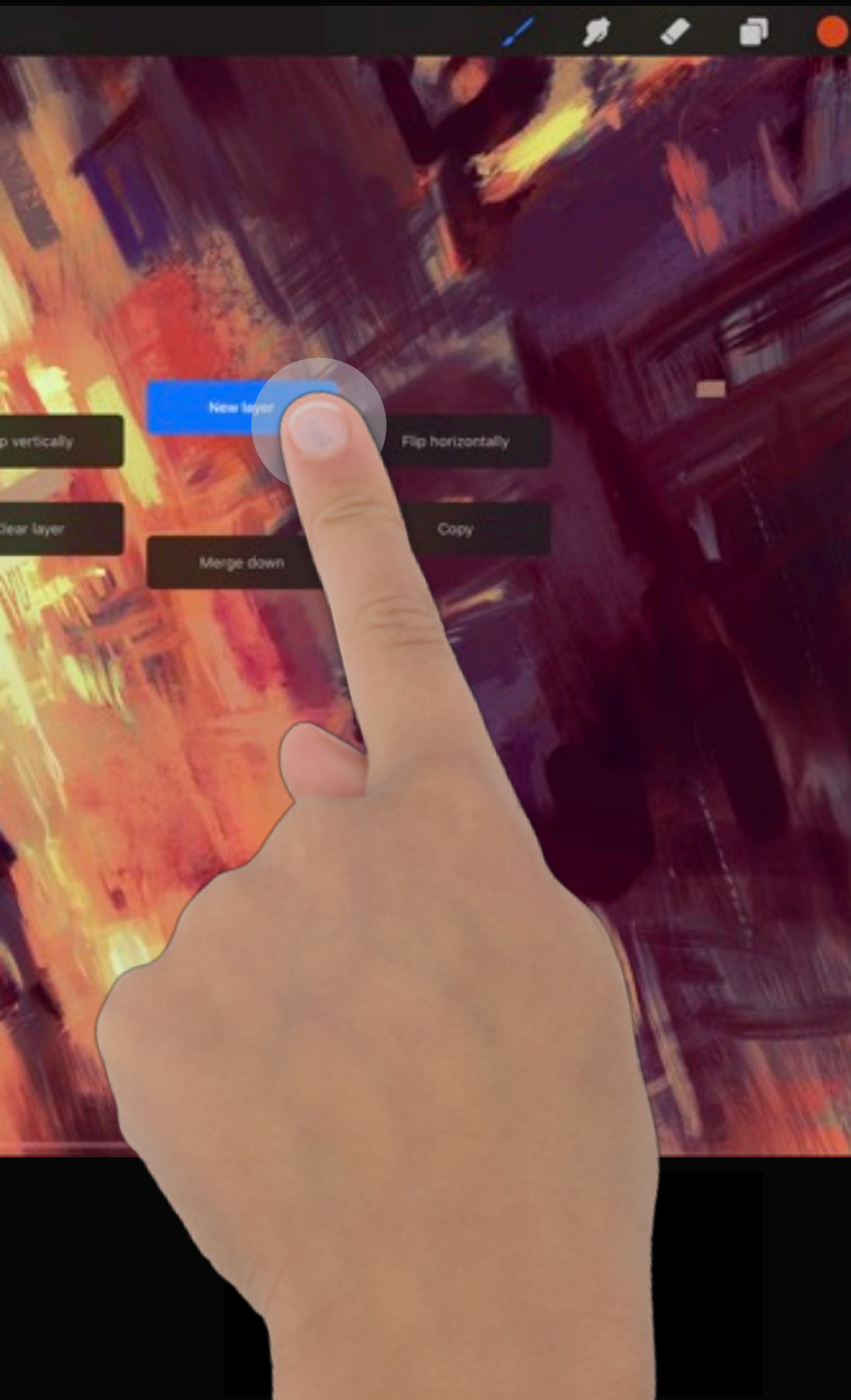
Instead of tapping after invoking QuickMenu, you can invoke the menu and flick towards an option without even lifting your finger, making your workflow even faster.



Customizing QuickMenu

Put the tools you need most right at your fingertips.

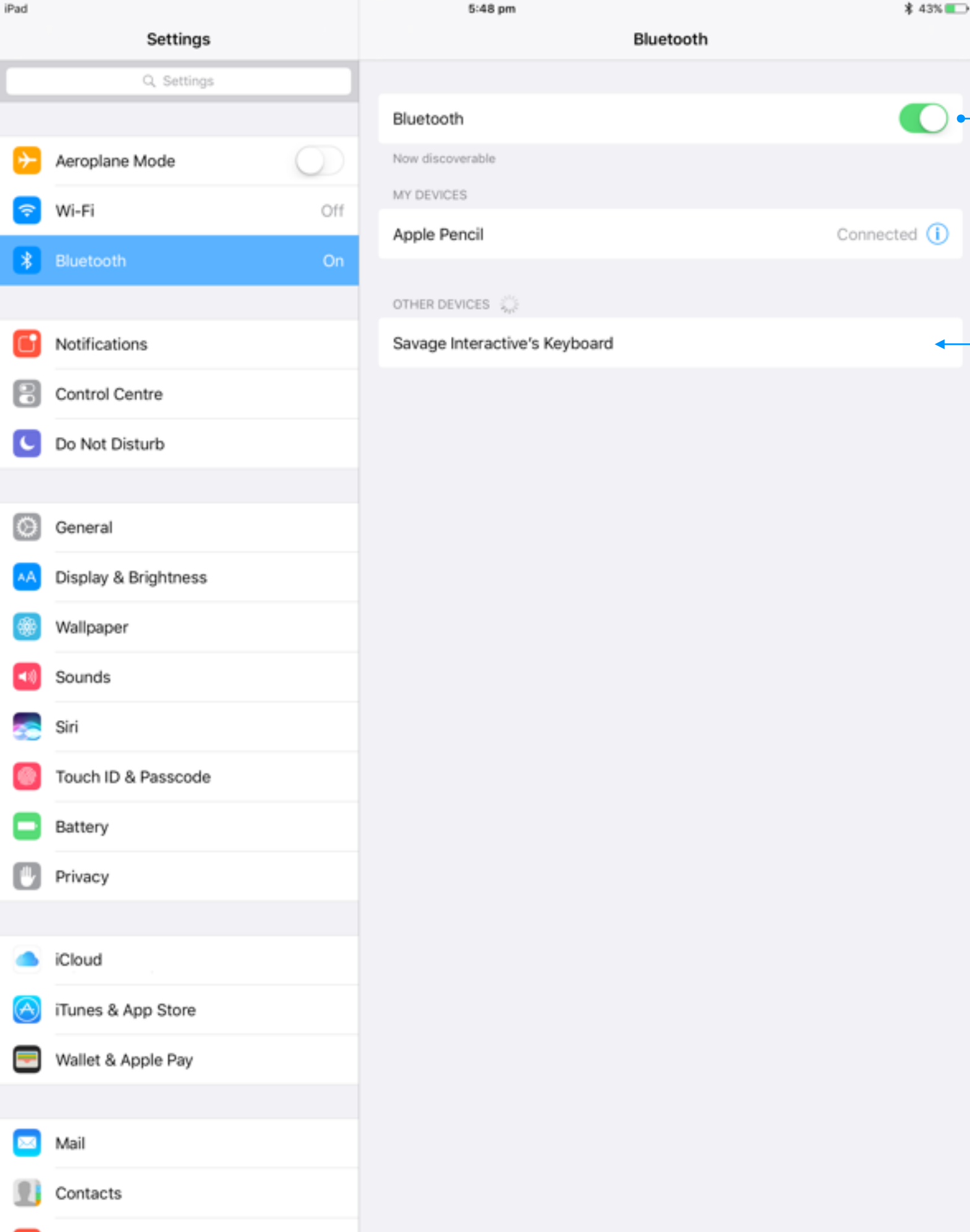
Choose from more than 30 options for each button, including layer actions, flip canvas, Paint, Smudge, or Erase tools, or any Procreate brush. You can even set any QuickMenu button to No Action, which will simply dismiss the QuickMenu.



Section 2

Keyboard shortcuts

Access an array of advanced features instantly by pairing any compatible keyboard.



Make sure Bluetooth is switched ON

Tap to pair this keyboard with iPad

Connecting a keyboard

Procreate's keyboard shortcuts are usable with any connected keyboard.

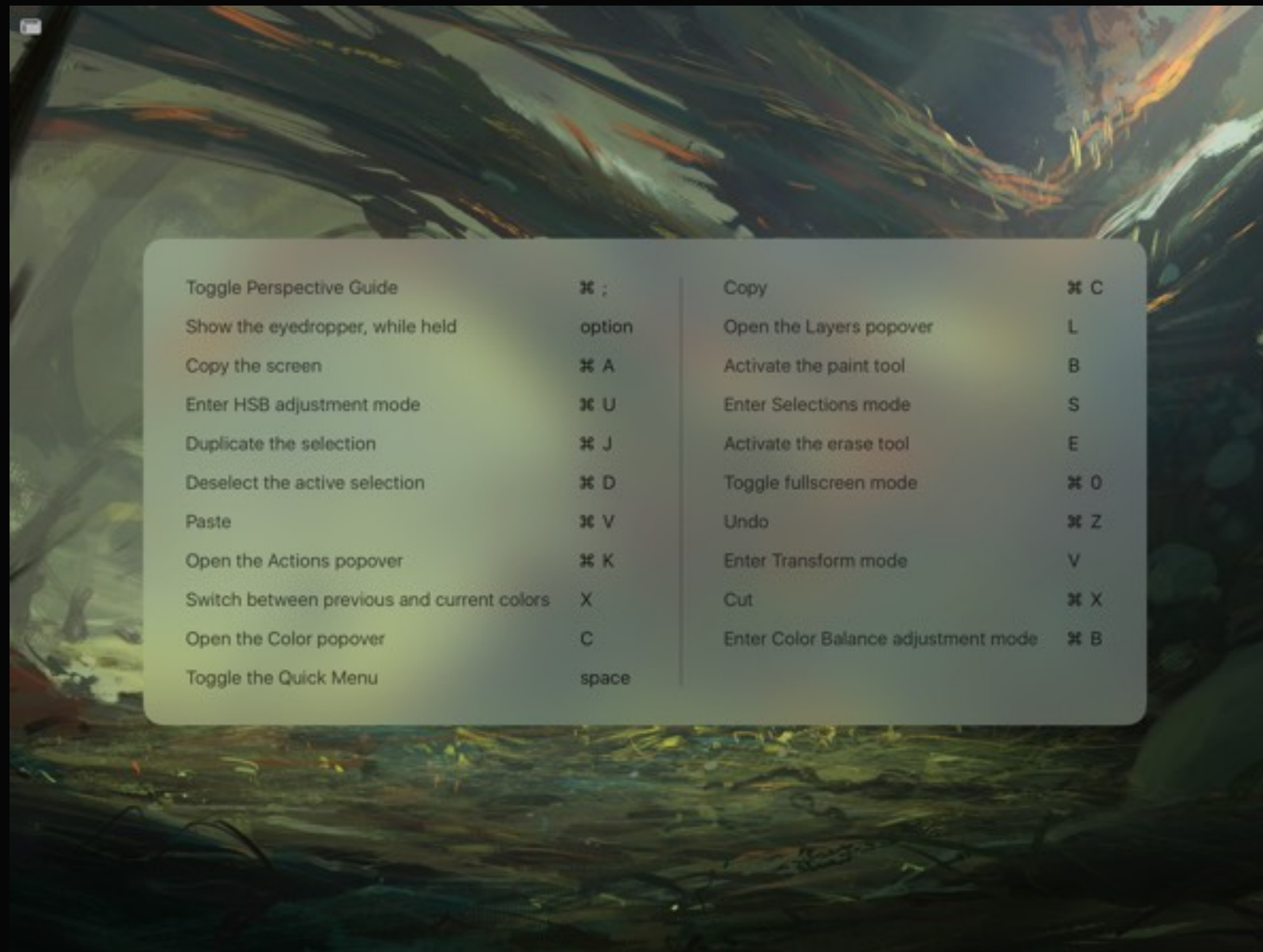
Just connect any compatible keyboard via Bluetooth or the iPad Pro Smart Connector to start using keyboard shortcuts.

Keyboard layout

Instantly access Eyedropper, Undo, the color wheel and more.

Procreate's keyboard shortcuts are based on existing standards in other illustration software.

To see a map of these shortcuts in Procreate, just hold the Command (⌘) key.




Apple Pencil

Section 1

About Apple Pencil

Get the most out of Procreate with the exceptional speed, precision, and expression of Apple Pencil.

A close-up photograph of a hand holding a white Apple Pencil. The pencil is held between the thumb and index finger, with the middle finger supporting it from below. The tip of the pencil is pointing towards the bottom left of the frame, just above a dark, textured surface. The background is a soft, out-of-focus blue and purple gradient.

**You don't need to connect your
Apple Pencil with Procreate,
it just works.**

**As soon as you've paired it with
your iPad, you can open Procreate
and just start drawing.**

Procreate's brushes are
optimized out of the box to
work beautifully with Apple
Pencil pressure.

Fantasy

A hand holding a white Apple Pencil is shown in the lower right corner, actively drawing a white cursive word 'Fantasy' on a dark background. The word is written in a fluid, elegant script. The hand is positioned as if it just finished or is about to finish a stroke.

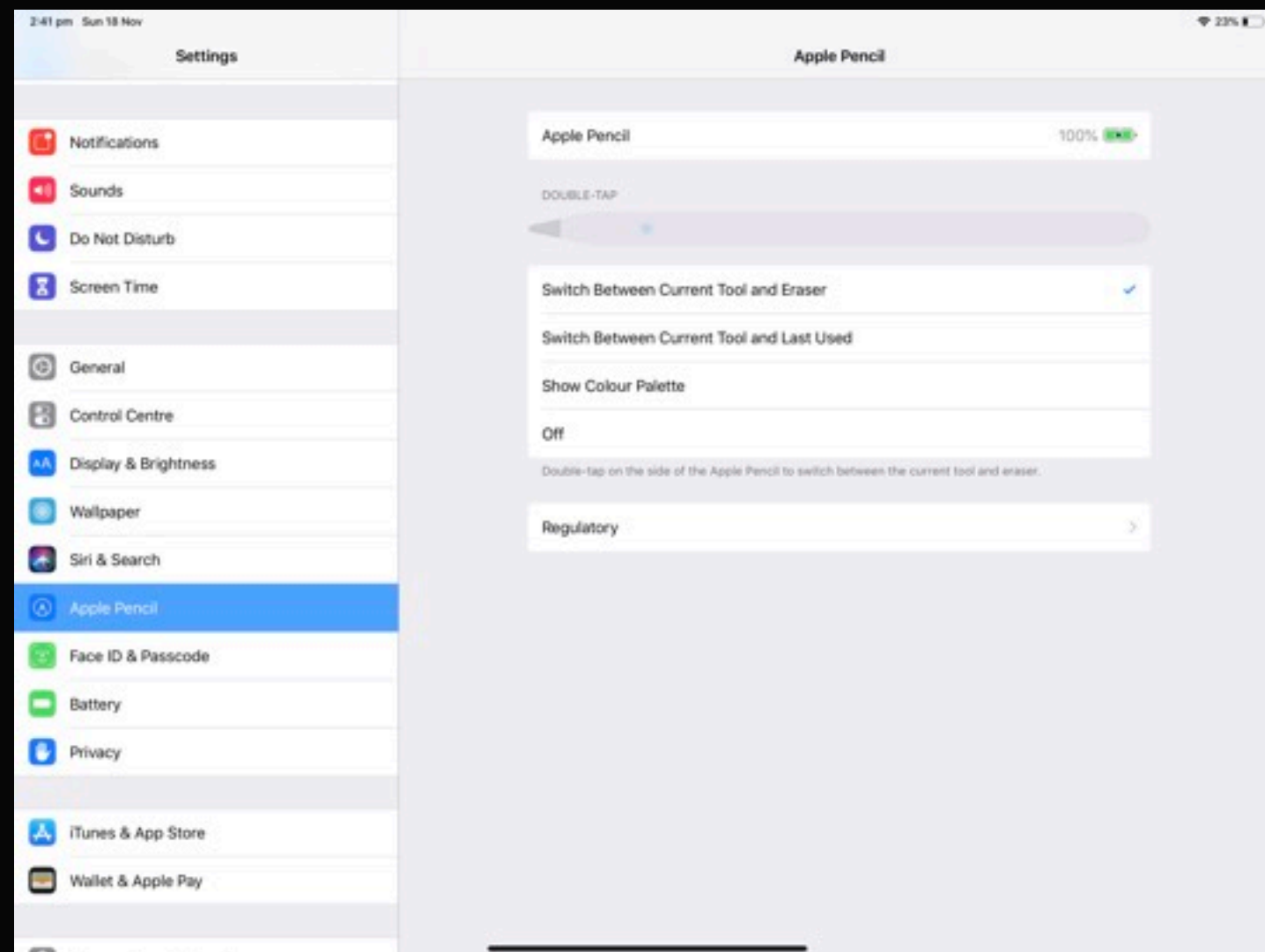
Simply tilt your Apple Pencil to add shading or to create new effects. Try the included pencil brushes to see what you can do.



Double-tap to invoke

If you're using the new Apple Pencil with the new iPad Pro, you can double-tap the side of your Apple Pencil to switch tools or invoke your favorite feature.

Set a default behavior in the Apple Pencil section of your iPad's Settings app, or select an option in Procreate's Gesture Controls. To turn this feature off entirely, choose 'None' in your Settings app.



Reference

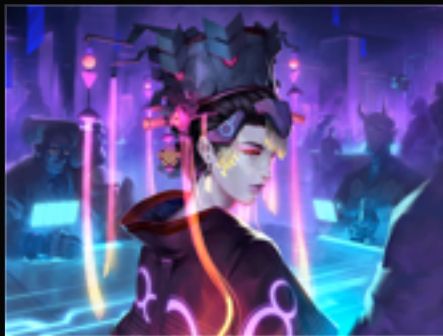
Section 1

Artwork credits

Artists all over the world are creating astonishing artwork using Procreate. This section is a quick reference to credit artists' work which appears in this handbook.

Artwork credits

Our thanks goes to these talented artists for their work:



Geisha
by Patipat Asavasena
<http://chapter-56.blogspot.com.au>



Bike Girl
by Jarom Vogel
<https://jaromvogel.com>



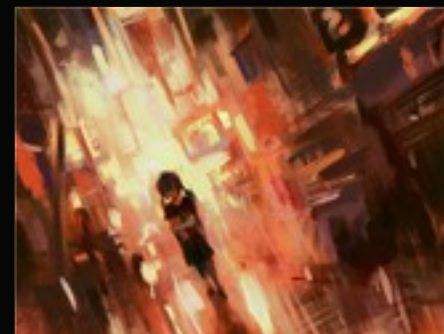
Lauren
by Alexis Franklin
<https://www.artstation.com/alexisvicki>



Yellow
by Alexis Franklin
<https://www.artstation.com/alexisvicki>



The Breakfast Cart
by Marija Tiurina
<http://marijatiurina.com>



Lost
by Alex Chow
<https://www.artstation.com/alexchow>

Artwork credits (continued)



Jungle
by Monez Gusmang
<https://www.monez.net>



Shoe
by Mohammed Fazil
<https://www.instagram.com/fazdes/>



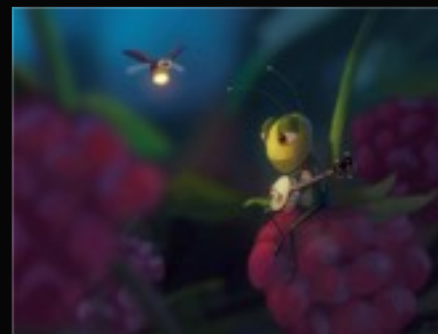
Midnight Jungle Trip
by Alexandra Zutto
https://www.behance.net/orange_zutto



The Dancer
by Alex Chow
<https://www.artstation.com/alexchow>



Monkey's Night Out
by Jarom Vogel
<http://jaromvogel.com>



Open Mic
by Goro Fujita
<https://www.deviantart.com/gorosart>

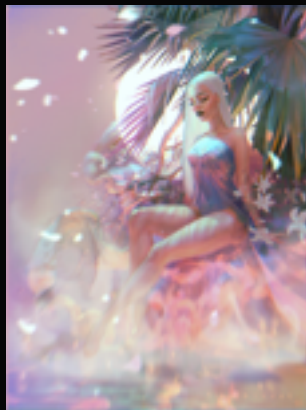
Artwork credits (continued)



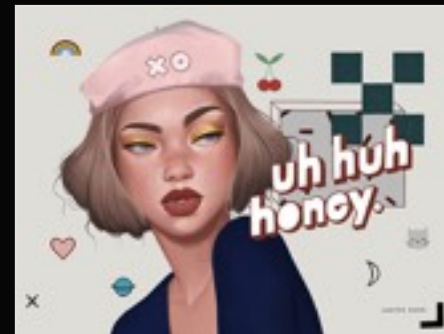
Goldfish
by Nikolai Lockertsen
<http://www.lockertsen.net>



The Door
by Bastien Grivet
<http://grivetart.com>



Untitled Work
by Pauline Voß
<https://www.artstation.com/skadivore>



XOXO
by Janice Sung
<https://www.janicesung.com/>



Power Woman
by Robert Marzullo
<https://www.artstation.com/robertmarzullo>



Wings
by Alexis Franklin
<https://www.artstation.com/alexisvicki>

Artwork credits (continued)



Fantasy
by Karen Kluss
<http://karenkluss.com>



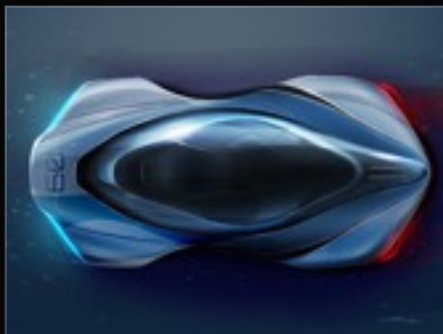
May 9
by Andrey Malykh
<https://www.behance.net/barindoma>



Believers
by Max Ulichney
<https://maxulichney.com/>



Snow Speeder
by Colie Wertz
<http://coliewertz.com/>



Car
by Mohammed Fazil
<https://www.instagram.com/fazdes>



Good vs Evil
by Patipat Asavasena (aka Asuka111)
<http://www.asuka111art.com>

Artwork credits (continued)



Red Cape
by Nikolai Lockertsen
<http://www.lockertsen.net>

Section 2

Light reading

A quick section shining some light on us, Savage Interactive, our Community Forums, and the obligatory legal mumbo jumbo we need to disclose just in case.

SAVAGE

Savage Interactive is a team of 18 based in Hobart, Australia,
dedicated to creating high performance creative tools for
creative people.

Procreate Community

Even we're learning cool tricks from Procreate artists, so make sure you jump on the Procreate Forums!

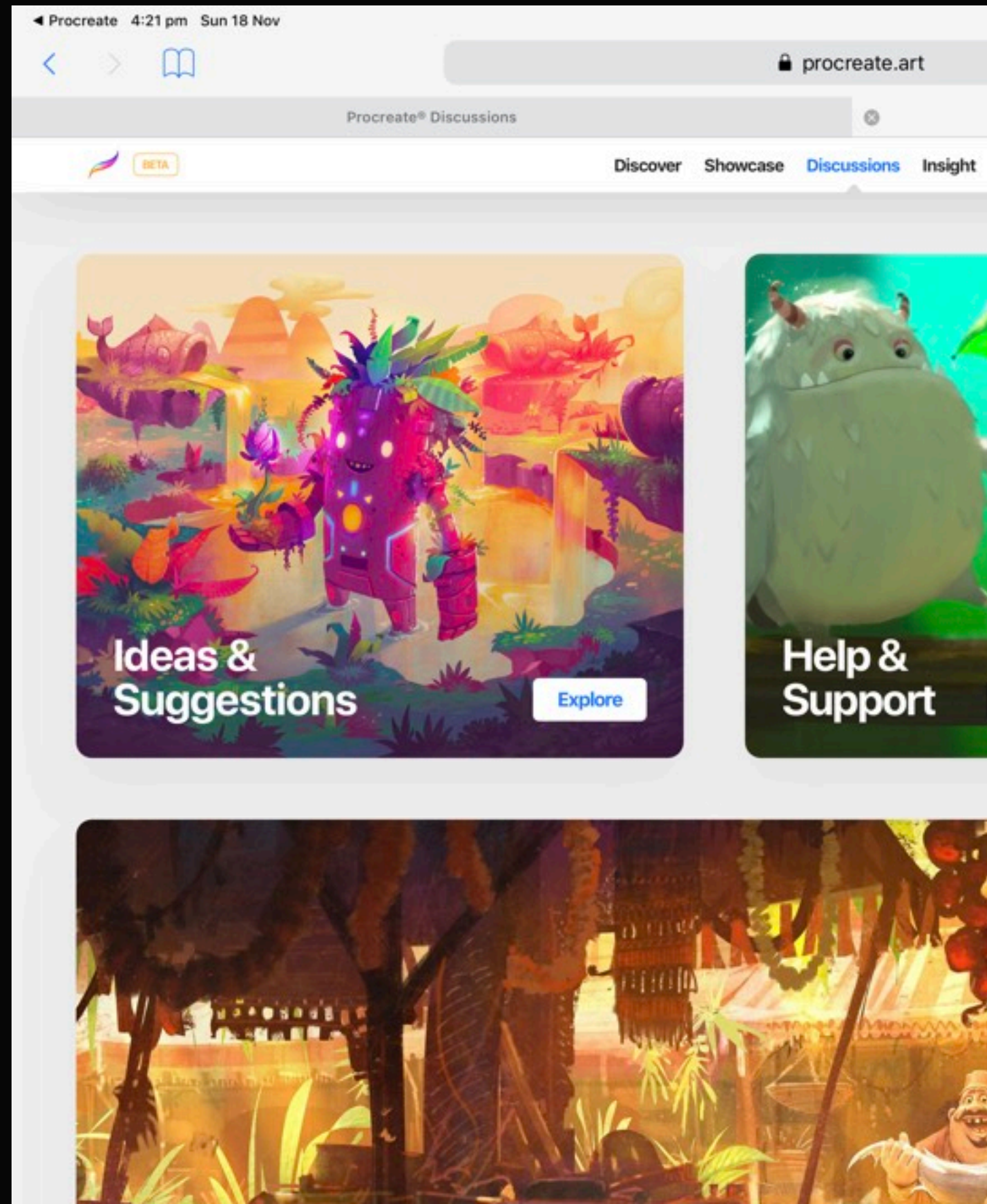
We're really lucky to have a great community of talented and passionate artists and even luckier that they dedicate their time to helping others.

The Procreate Forums are all about sharing knowledge, ideas and helping others take their artwork to the next level.

Perhaps you have some of the following you could share with others:

- Brushes
- Reusable artwork resources
- Tips and tricks
- Advice or critique

The forums aren't just limited to talk about Procreate either—talk about whatever you like! We'd love to see you in [there](#).



Blend mode description referenced from <http://photoblogstop.com/photoshop/photoshop-blend-modes-explained>. iPad is a registered trade mark of Apple Inc, registered in the U.S. and other countries. App Store is a service mark of Apple, Inc. Adobe and Photoshop are registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries. Procreate is a trademark of Savage Interactive Pty Ltd. I'm Ron Burgundy?