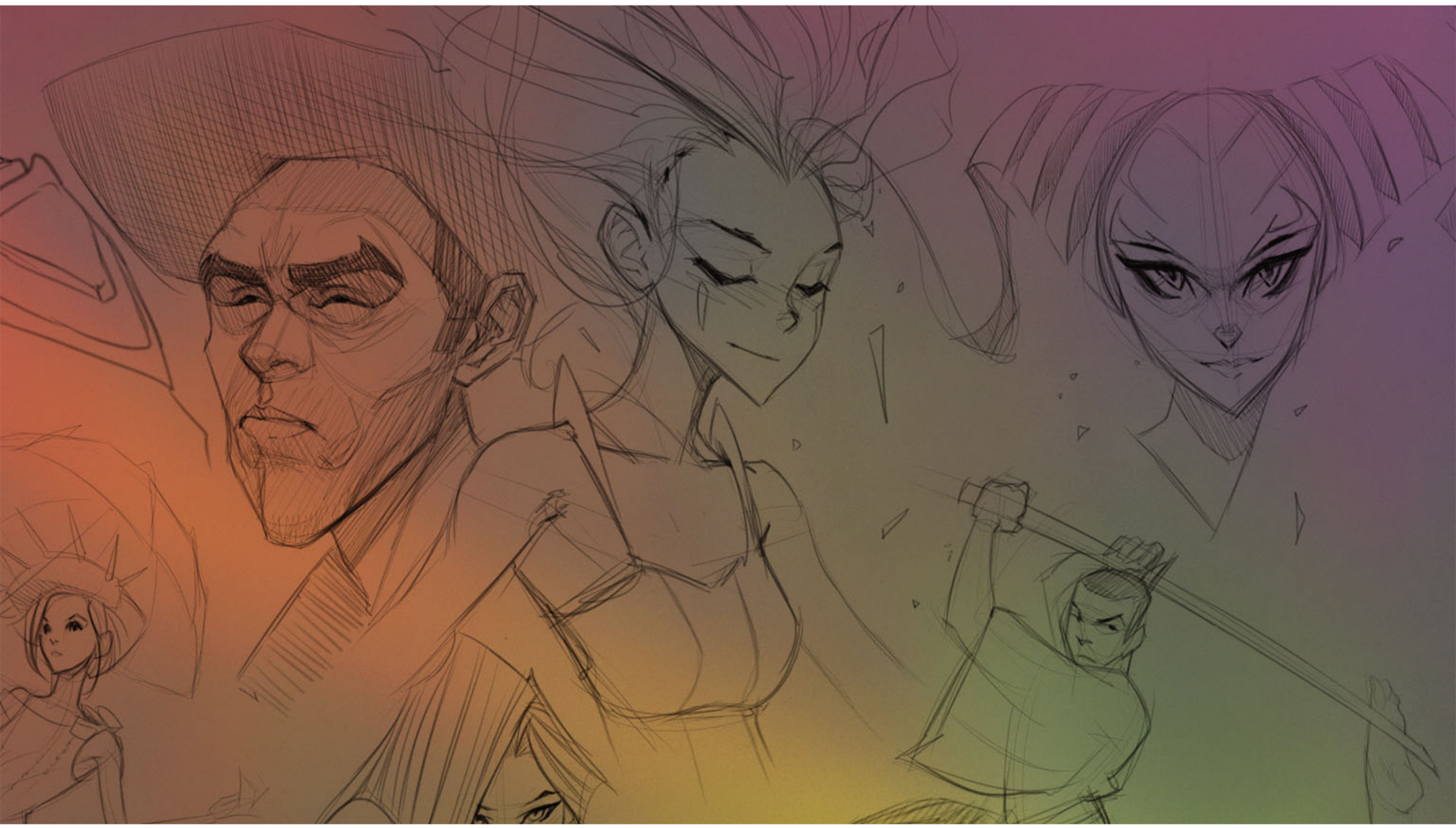
made with mischief



User Guide

Mischief 2.0

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Welcome to our Mischief User Guide!

The great thing about Mischief is that you should be able to get started and get creating instantly. We've made a point of having all the essentials right at your fingertips and don't have complex menus or hidden features so you can just open the application and start drawing!

This means that you shouldn't need this guide to get going but if you ever need a quick helping hand you can refer to here.

This document is packed full of useful information and hints of how to get the most out of Mischief. If you do find that something is missing though or you would like us to explain something that isn't in here let us know by contacting support through our website at: http://madewithmischief.com/support

Happy sketching!
The Made With Mischief Team

Free vs. Paid Mischief

Paying for Mischief unlocks a number of extra features and functionality. See the table below to compare the features between versions.

	Mischief-Free	Mischief-Paid
Infinite Canvas	●	●
Small File Sizes	●	●
Brush Palette	Limited to Three Brushes	●
Window Opacity	●	●
Color Palette	●	●
Import Image	●	●
Export PNG and JPEG	●	●
Custom Color Swatches		●
Layers		●
Papers		●
Export PSD with Layers		●
Export Selection		●
Selection Marquee		●
Geometric Shapes		●

If you are thinking of upgrading to Paid Mischief but want to try it first you can get a free 15 day trial that has all the features unlocked. To get the trial go to our website at: https://madewithmischief.com/



Mischief-Free

Installation and Licensing Mischief-Free

We know the installation and licensing of a new application can be a boring task that you just want to be done with as soon as possible. To help you with this process, this section guides you through to the point where you have Mischief open in front of you and you can start to draw!

System Requirements

Before you do anything else, ensure that your system meets the following minimum requirements to run Mischief effectively:

Windows:

- XP, Vista, Windows 7, or Windows 8, either 32 or 64 bit versions.
    - Mischief requires Wintab drivers on Windows systems.
- Mischief requires OpenGL 2.0 or greater. OpenGL is a programming interface used by programs to talk with the GPU. If you can play modern games on your computer, Mischief should run just fine. Mischief required this as it makes heavy use of the GPU (graphics processing unit) to achieve its drawing speed.

If you are unsure try the free trial, if that runs correctly the paid version will too.

NOTE: There isn't an official Linux version of Mischief. However users have reported being able to get the Windows version working through WINE on Ubuntu 12.04. For more information on WINE, see: help.ubuntu.com/community/wine.

Mac:

- OS 10.6 or greater.
- Mischief requires OpenGL 2.0 or greater. OpenGL is a programming interface used by programs to talk with the GPU. If you can play modern games on your computer, Mischief should run just fine. Mischief required this as it makes heavy use of the GPU (graphics processing unit) to achieve its drawing speed.

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Graphics Tablets

Mischief has been designed to be used with a drawing tablet with has a pressure sensitive pen. Mischief is fully tested against Wacom tablets, other tablets may work but are not

officially supported by us. If you are unsure if your tablet will work try our free trial, if that runs correctly the paid version will too.

Installing Mischief

Windows Desktop:

To install Mischief for Windows, complete the following steps:
1. Download the correct .exe installation file from our website at www.madewithmischief.com.
2. Double-click on the file to install Mischief.
3. Click Run to launch the Mischief Setup Wizard.
4. Click Next.
5. Comply to the license agreement by selecting I accept the agreement, and then press Next.
6. The installation location defaults to C:\Program Files\<>. To change it, click
Browse and select the required location, or to accept the default, click Next.
7. Click Install, and then Finish.

Mac Desktop:

To install Mischief for Mac, complete the following steps:
1. Download the correct .dmg installation file from our website at www.madewithmischief.com.
2. Double-click on the file to install Mischief.
3. Click Run to launch the Mischief Setup Wizard.
4. Click Next.

Mac App Store:

Search for ‘Mischief-Free’ in the App Store and follow their install instructions.

Licensing Mischief-Free

These require installation but no licensing!

Upgrading to the Paid Version of Mischief

How To Upgrade The Desktop Version

To Upgrade to the Full version of Mischief just go to our website and download the paid version, you can then download and install the full version.

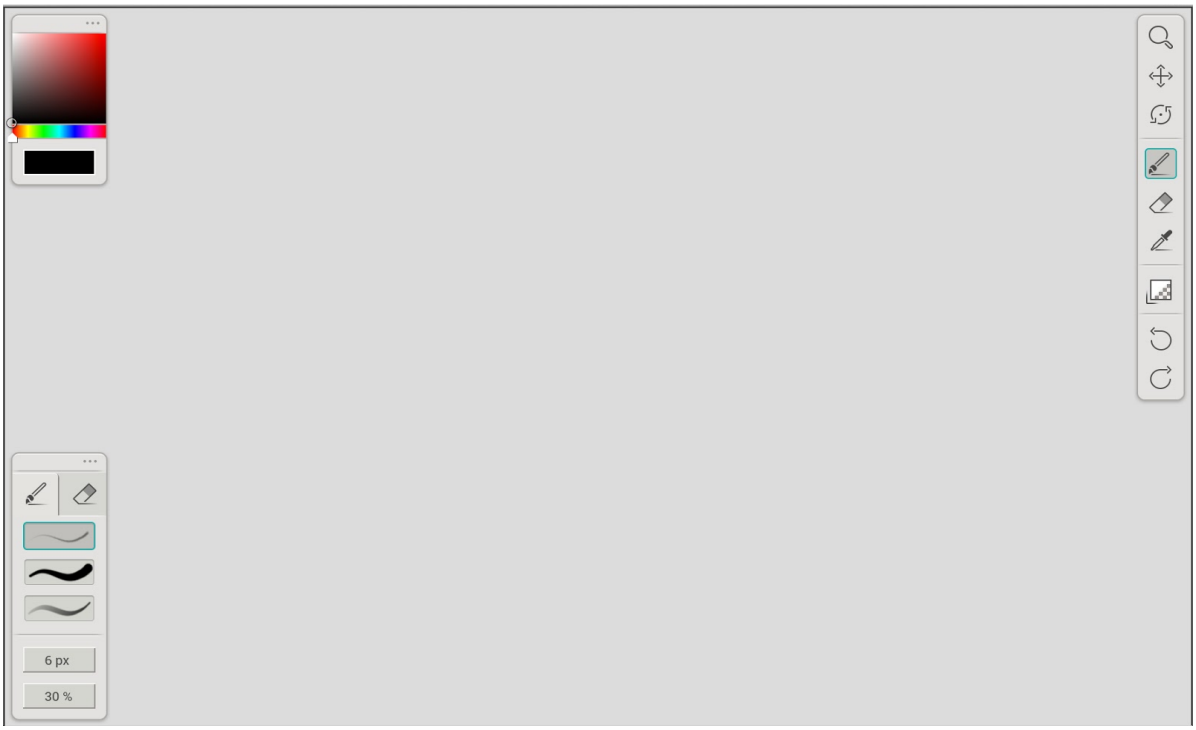
How To Upgrade The Mac App Store Version

Search for ‘Mischief’ in the App Store and follow their install instructions.

Mischief-Free Overview

Mischief is designed for simplicity. Pen and paper styles, tool selection, layers, and all the essentials are right at your fingertips. Menus are simple and easy to access. With Mischief's infinite canvas and infinite resolution there is no need to pre-plan your page size. Just open the application, pick up your stylus and start drawing.

Free Mischief Interface



All of these panels (but not the Tool Bar) can be moved around the canvas area to where they best suit your workflow. If you have moved them and would like to place them back in their original positions you use Window > Restore Layout.

You can also hide the panels and Tool Bar from your canvas by using Tab to show and hide or using the Window > Hide Interface/Show Interface.

Lots of these controls have hotkeys attached to them to help you work with as much ease as possible. You can find a full list of all the hotkeys in the Hotkeys section of this guide.
You can also find a list of them in the Help menu of the program

For a full list of all the controls and what they do please see our Mischief- Free Functions Overview section.

Mischief-Free Functions Overview

Panel	Function Name	Function Description
Toolbar	Zoom	Zoom in and out of the Canvas
	Pan	Move around the Canvas
	Rotate	Rotate your Canvas
	Brush	Select to draw strokes
	Eraser	Select to erase strokes
	Eyedropper	Select colour from anywhere on your Canvas
	Undo	Undo last stroke
	Redo	Redraw last stroke
Brush	Brushes Tab	Shows docked brushes
	Erasers Tab	Shows docked erasers
	Brush Size Button	Single click triggers slider pull-out, Double click triggers input field
	Brush Opacity Button	Single click triggers slider pull-out, Double click triggers input field

Navigation of Canvas

You have a number of ways to navigate around the canvas. You can:

 Zoom, this is centred around where your cursor is and is controlled by dragging left to zoom out or right to zoom in. Mischief can handle a zoom range of 50 trillion to one. You can get to this by using **Z**, you can also quickly zoom in and out incrementally by using **+** and **-**.

 Pan, lets you move around the canvas. You can also use **H** or press the **Spacebar** at anytime to quickly be able to pan.

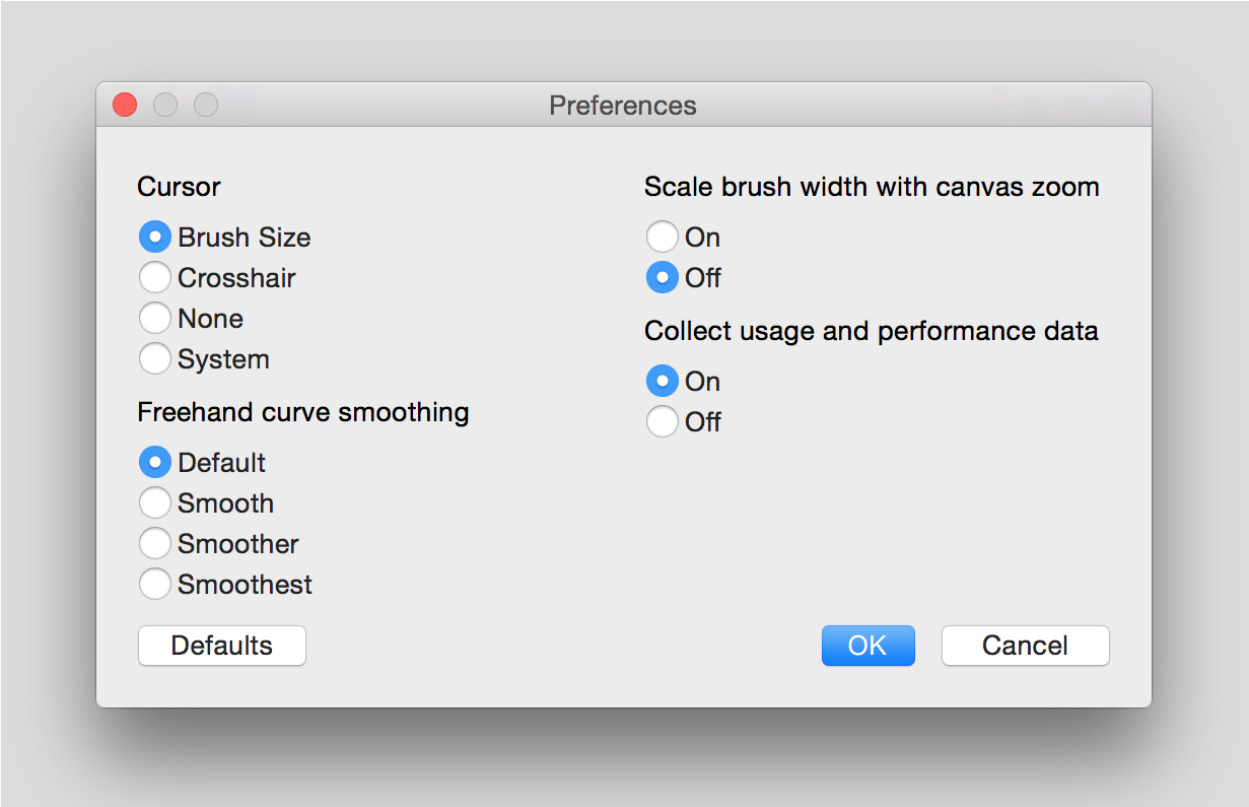
 Rotate, this is centred around where your cursor is and is controlled by dragging left to rotate anti-clockwise or right to rotate clockwise. You can get to this quickly by using **R**.

Reset Canvas View

You can reset your canvas to the original size and position it was when you first opened Mischief by using **Edit** > **Reset Canvas View**. You can also use the hotkeys which are **Cmd**+**0** (Mac) or **Ctrl**+**0** (Windows).

Preferences

The Preferences dialog can be found under **Mischief-Free** > **Preferences…**



Cursor

Allows you to change your cursor:

- Brush Size will show you a circle the size of your currently selected brush or eraser.
- Crosshair will show you a crosshair, it is a constant size and doesn't scale with the stroke size.
- None, there will be no cursor visible.
- System will use your default system cursor, normally the arrow shown.

Freehand curve smoothing

This makes your strokes and curves smoother depending on which option you set. It will default to the lowest, called default this is because the higher the setting the more likely you may get a performance hit when working on larger files.

Scale brush width with canvas zoom

Turning this on will make the brush width scale up and down as you zoom in and out of the canvas. This allows you to achieve a consistent line width.

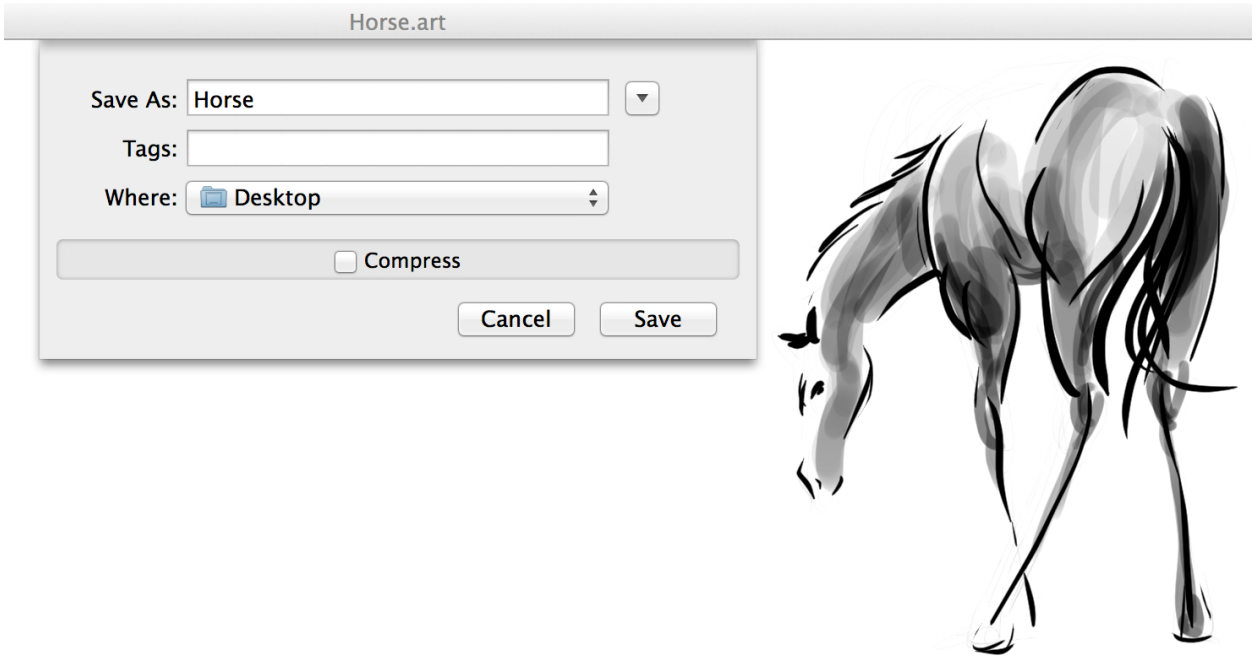
Collect usage and performance data

Please help us to improve Mischief by leaving this on and allowing us to track any performance issues!

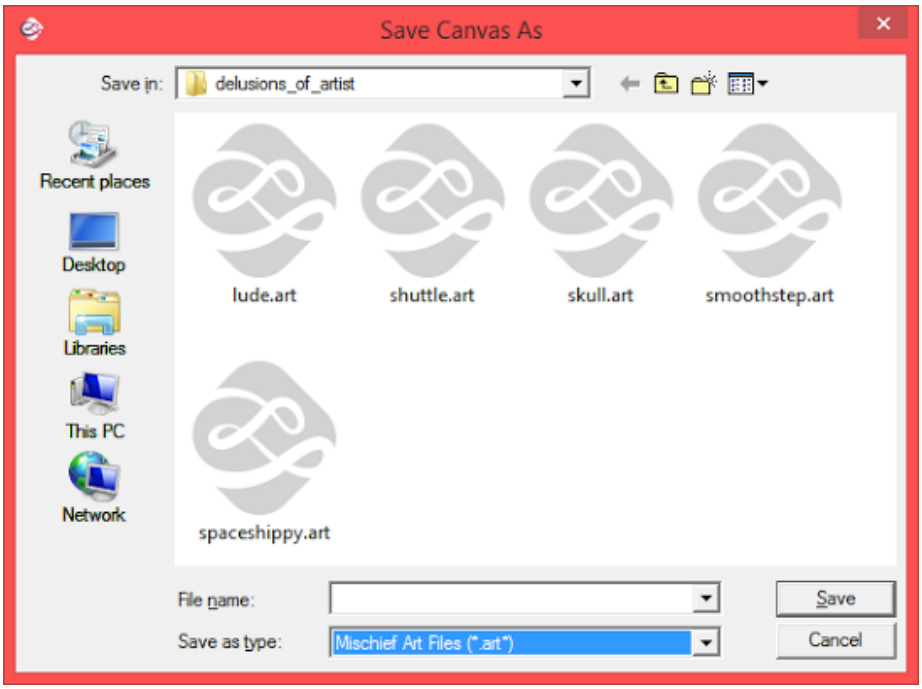
Saving

You can save your files by going to File > Save or File > Save As.
If it is the first time you are saving your file or you Save As you will get a Save As dialog.

In Mac is will look like this:



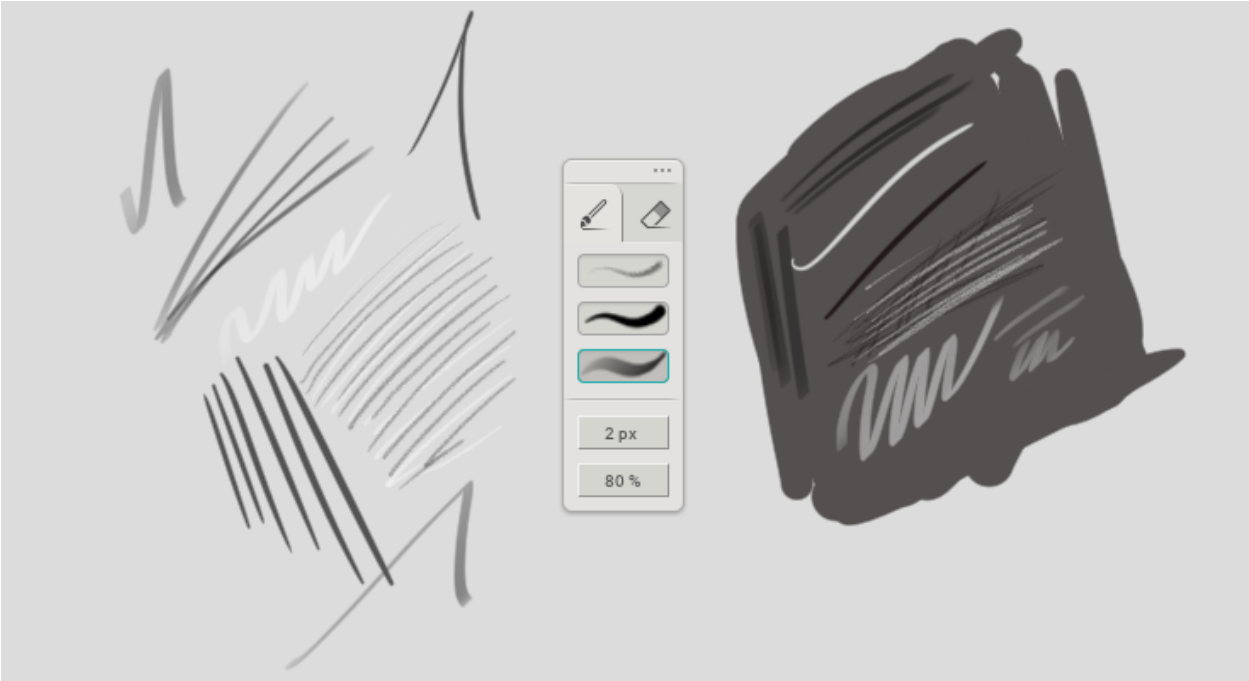
In Windows it will look like this:



Note: You can also export your artwork as .JPEG .PNG and .PSD files. For more information on this see our Exporting section.

Brushes

Mischief comes with a variety of pressure sensitive brushes and erasers. You can select a pen or eraser from the Tool Panel. You can also use **B** for brush and **E** for erasor hotkeys to select the most recently used pen or eraser.



Once you have the Brush tool selected you can use the Brush Panel shown above to select which of the three brushes or erasers you want to use. You can change the brushes size and opacity using the buttons underneath, when clicked sliders appear that allow you to change these settings.



You can also use **]** to increase and **[** to decrease hotkeys can be used to change the width and opacity of your current pen or eraser.

NOTE: The current version of Mischief has unlimited undo and redo actions, this allows you to undo all of your strokes all the way back to it being a blank file. Even if you open and close your file multiple times it will still remember all your strokes back to it's beginning!

Scale brush width with canvas zoom

It is sometimes convenient to force the brush width to scale up and down as you zoom in and out. This allows you to achieve a consistent line width. This option is in the Preferences dialog which can be found under **Mischief-Free** > **Preferences…**

Color

In Mischief-Free you have full color range to sketching in any color and tone, but no ability to save swatches.



TIP: We also like to use a portion of our canvas as a custom color palette so we can select colors from there by using the color picker tool. You can then delete it when you are finished with your artwork.

Flipping

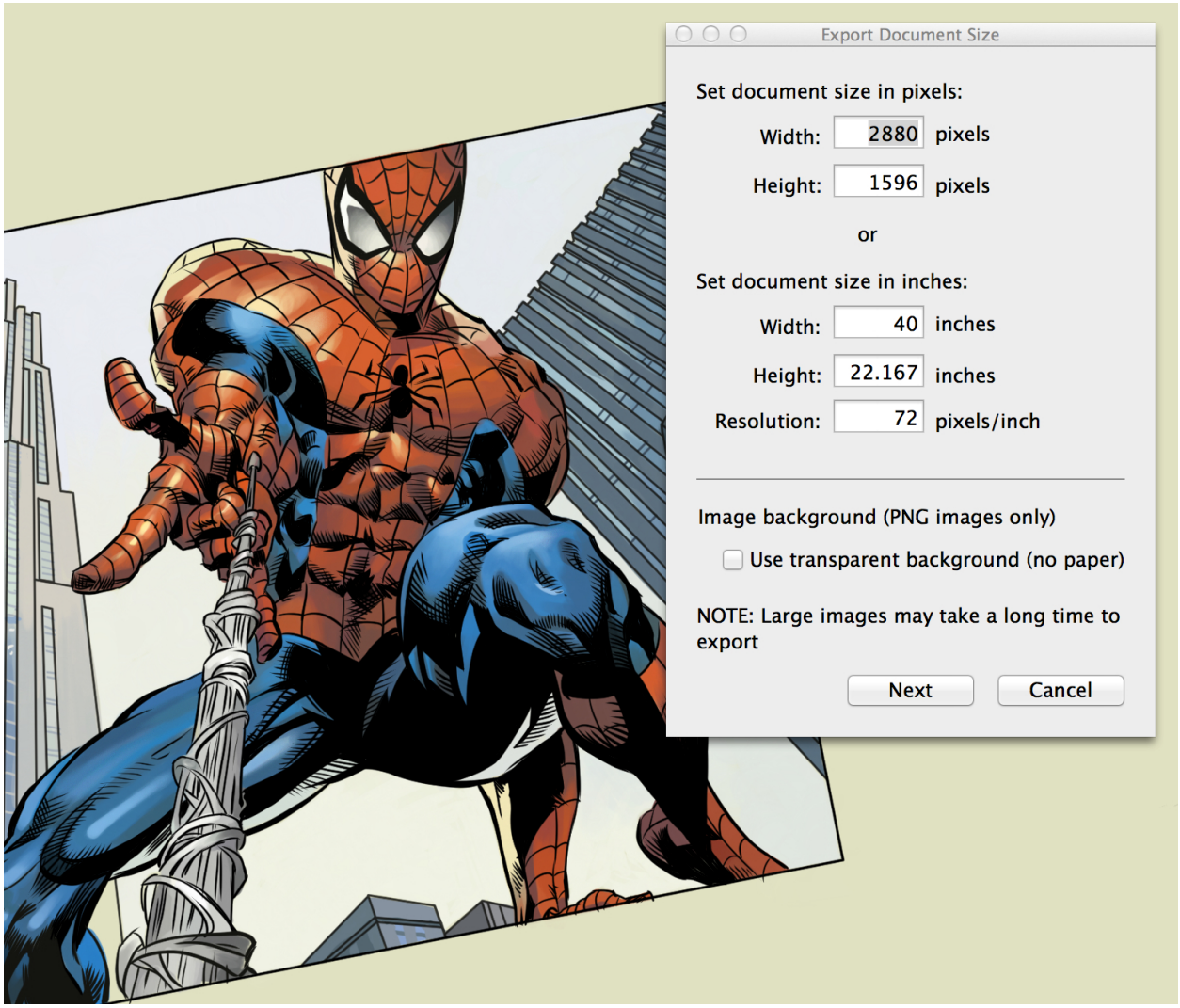
In Mischief-Free you can flip the entire canvas.
To flip the canvas horizontally go to, **Edit** > **Flip Canvas Horizontally**.
To flip the canvas vertically go to, **Edit** > **Flip Canvas Vertically**.



You are unable to only flip parts of your canvas in Mischief-Free, to do this you will need the selection tools available in the paid version.

Exporting

Mischief-Free allows you to export your visible canvas by going to **File** > **Export Visible Canvas…**, this will open the Export dialog shown below.



Here you can set your export document size in pixels or inches.

Export Sizes

Because Mischief is vector based you can save our work out at huge sizes and you won't lose the quality of your strokes. The maximum size Mischief exports at is 20000 Pixels or 277.778 Inches…That's about 7 metres across, or about the height of a three story building.

Note: Large exports may take a long time to export!

Export File Types

Mischief saves out files as .JPEG by default but you can also save .PSD and .PNG files

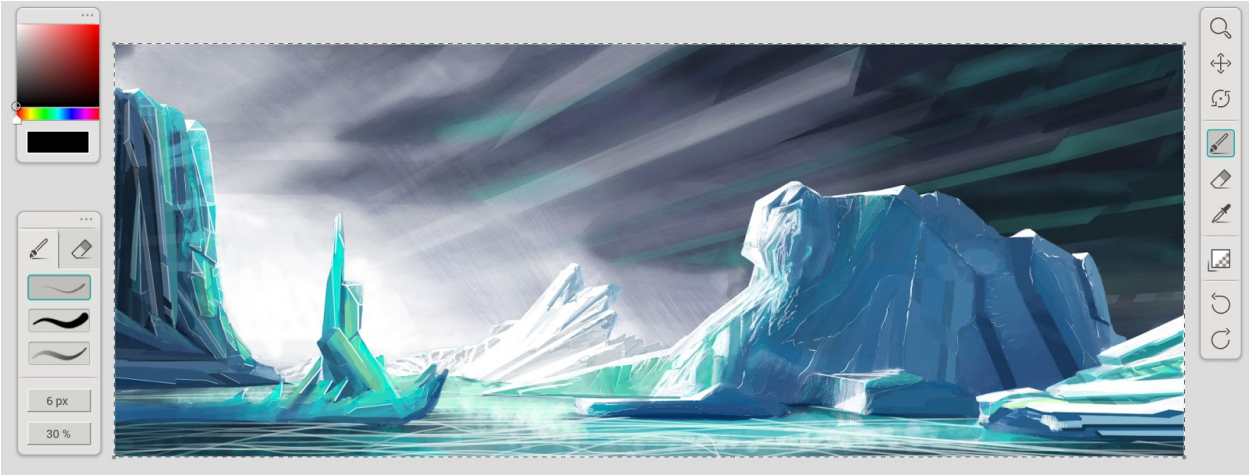
If you export your file as a .PNG it will take out the background color and just give you your strokes by themselves.

You are unable to export only parts of your canvas with Mischief-Free, to do this you will need the selection tools available in the paid version.

Importing

You can import .JPG and .PNG files into Mischief by using File > Import Image…, this will open a dialog where you can select the image you want to import.

When your image in imported to will be central on your visible canvas.



Mischief-Free Hotkeys

We have made our hotkeys similar to other painting packages to make transitioning between them a fluid process.

Mac Hotkeys



Windows Hotkeys

File

New	Ctrl+N
Open	Ctrl+O
Save	Ctrl+S
Save As...	Shift+Ctrl+S
Import Image	Ctrl+I
Exit Mischief	Ctrl+Q

Edit

Undo	Ctrl+Z
Redo	Shift+Ctrl+Z
Reset Canvas View	Ctrl+0
View All Strokes	Ctrl+1
Flip Canvas Horizontally	Ctrl+F
Flip Canvas Vertically	Ctrl+U
Preferences	Ctrl+K

Window

Activate Window Opacity	Ctrl+W
Deactivate Window Opacity	Ctrl+W
Increase Window Opacity	>
Decrease Window Opacity	<
Hide Interface	Tab

Toolbar

Zoom	Z
Zoom in	+
Zoom Out	-
Pan Canvas	H or Space
Rotate	R
Brush	B
Eraser	E
Eyedropper	I

Brush

Decrease Brush Size	[
Increase Brush Size	]
Brush Opacity 10%	1
Brush Opacity 20%	2
Brush Opacity 30%	3
Brush Opacity 40%	4
Brush Opacity 50%	5
Brush Opacity 60%	6
Brush Opacity 70%	7
Brush Opacity 80%	8
Brush Opacity 90%	9
Brush Opacity 100%	0



Mischief

Installation and Licensing Mischief-Free

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5. Comply to the license agreement by selecting I accept the agreement, and then press Next.
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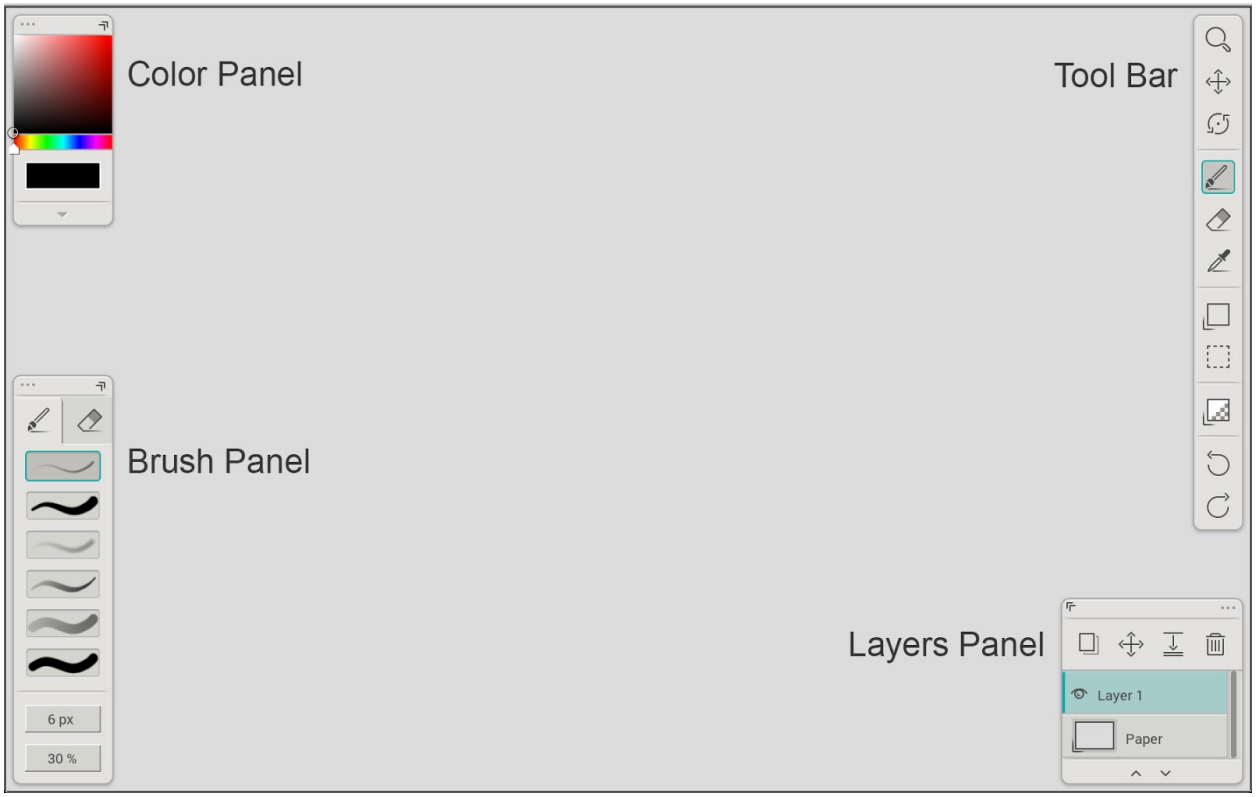
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Using the interface



All of these panels (but not the Tool Bar) can be moved around the canvas area to where they best suit your workflow. If you have moved them and would like to place them back in their original positions you can go to Edit > Restore Defaults > Restore Layout.

You can also hide the panels and Tool Bar from your canvas by using Tab to show and hide.

Lots of these controls have hotkeys attached to them to help you work with as much ease as possible. You can find a full list of all the hotkeys in the Hotkeys section of this guide.
You can also find a list of them in the Window menu of the program

For a full list of all the controls and what they do please see our Tool Panel Overview section.

Mischief Functions Overview

Panel	Function Name	Function Description
Toolbar	Zoom	Zoom in and out of the Canvas
	Pan	Move around the Canvas
	Rotate	Rotate your Canvas
	Brush	Select to draw strokes
	Eraser	Select to erase strokes
	Eyedropper	Select colour from anywhere on your Canvas
	Shape	Select shape, one Click will selected current shape, Click and Hold triggers pull-out
	Marquee	Select an area to transform or export
	Undo	Undo last stroke
	Redo	Redraw last stroke

Layers	Name	Description
	New Layer	Adds a new layer
	Scale Layer	Scales strokes on this layer
	Move Layer	Moves strokes on this layer
	Rotate Layer	Rotates stokes on this layer
	Merge Layer	Merges the currently selected layer to the layer below
	Clear Layer	Deletes all strokes on this layer
	Delete Layer	Completely removes the selected layer and its contents
	Toggle Layer Visibility	Show/Hide layer
	Toggle Lock Layer	Lock/Unlock layer
	Paper Thumbnail	Selects a textured background
	Paper Color	Selects a colored background

Color	Draw	Opens and closes the swatches dropdown
	Swatch Tile	Click and drag from the current color tile into the swatch you want to populate

	Delete Palette	Deletes the current swatch palette
	Add a New Palette	Adds a new swatch palette

Brush	Brushes Tab	Shows docked brushes
	Erasers Tab	Shows docked erasers
	Brush Size Button	Single click triggers slider pull-out, Double click triggers input field
	Brush Opacity Button	Single click triggers slider pull-out, Double click triggers input field
	Docked Brush Tile	Drag and drop from the brush preview to the docked brush tiles to save a brush

Navigation of Canvas

You have a number of ways to navigate around the canvas. You can:

 Zoom, this is centred around where your cursor is and is controlled by dragging left to zoom out or right to zoom in. Mischief can handle a zoom range of 50 trillion to one. You can get to this by using **Z**, you can also quickly zoom in and out incrementally by using **+** and **-**.

 Pan, lets you move around the canvas. You can also use **H** or press the **Spacebar** at anytime to quickly be able to pan.

 Rotate, this is centred around where your cursor is and is controlled by dragging left to rotate anti-clockwise or right to rotate clockwise. You can get to this quickly by using **R**.

Reset Canvas View

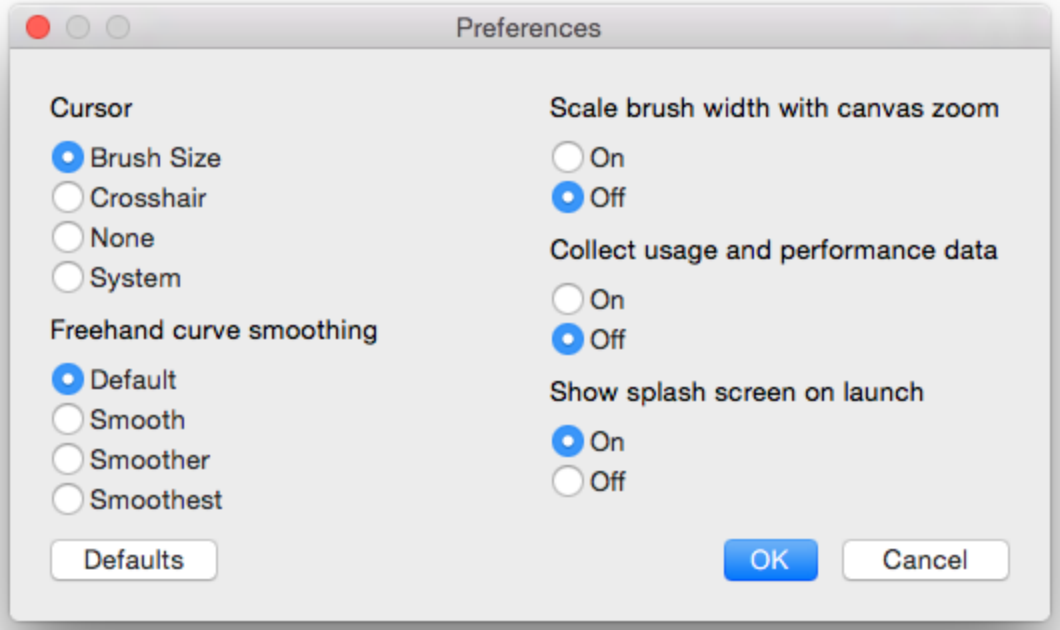
You can reset your canvas to the original size and position it was when you first opened Mischief by using **Edit** > **Reset Canvas View**. You can also use the hotkeys which are **Cmd**+**0** (Mac) or **Ctrl**+**0** (Windows).

View All Strokes

You can centre and scale your artwork so it fills your visible canvas by using **Edit** > **View All Strokes**. You can also use the hotkeys which are **Cmd**+**1** (Mac) or **Ctrl**+**1** (Windows).

Preferences

The Preferences dialog can be found under Mischief > Preferences...



Cursor

Allows you to change your cursor:

- Brush Size will show you a circle the size of your currently selected brush or eraser.
- Crosshair will show you a crosshair, it is a constant size and doesn't scale with the stroke size.
- None, there will be no cursor visible.
- System will use your default system cursor, normally the arrow shown.

Freehand curve smoothing

This makes your strokes and curves smoother depending on which option you set. It will default to the lowest, called default this is because the higher the setting the more likely you may get a performance hit when working on larger files.

Scale brush width with canvas zoom

Turning this on will make the brush width scale up and down as you zoom in and out of the canvas. This allows you to achieve a consistent line width.

Collect usage and performance data

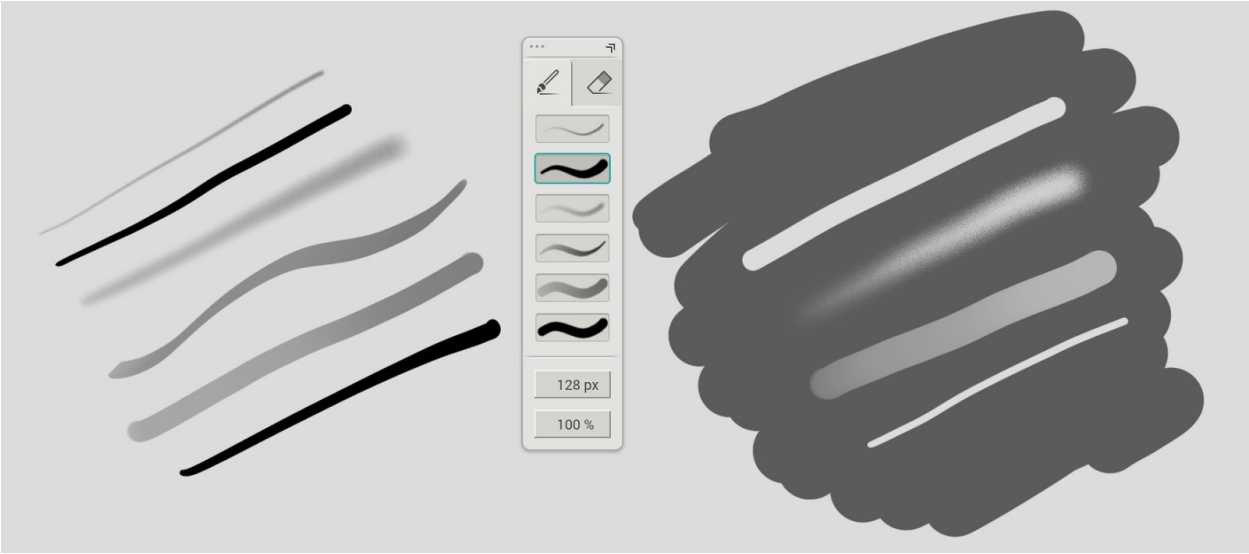
Please help us to improve Mischief by leaving this on and allowing us to track any performance issues!

Show splash screen on launch

When you start Mischief for the first time you will see a splash screen that provides you with links to Join Our Community and to see our Sample Files. You can click the tickbox to not see it when when you open Mischief again in the future. This setting can be toggled here in the Preferences.

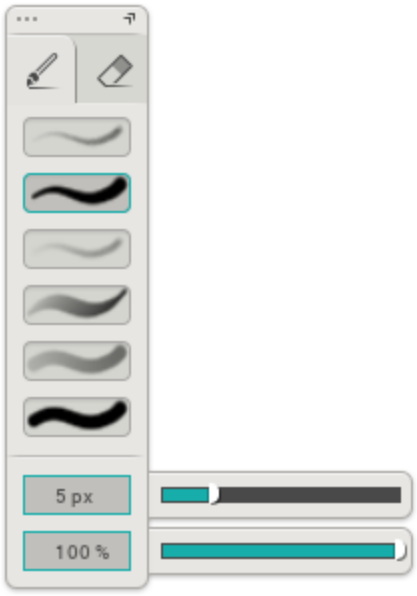
Brushes

Mischief comes with a variety of pressure sensitive brushes and erasers. You can select a pen or eraser from the tool panel from the Tool Panel. You can also use **B** for brush and **E** for erasor hotkeys to select the most recently used pen or eraser.



Once you have the Brush tool selected you can use the Brush Panel shown above to select which of the three brushes or erasers you want to use. You can change the brushes size and opacity using the buttons underneath, when clicked sliders appear that allow you to change these settings.

You can also use **]** to increase and **[** to decrease hotkeys can be used to change the width and opacity of your current pen or eraser.



NOTE: The current version of Mischief has unlimited undo and redo actions, this allows you to undo all of your strokes all the way back to it being a blank file. Even if you open and close your file multiple times it will still remember all your strokes back to it's beginning!

Scale brush width with canvas zoom

It is sometimes convenient to force the brush width to scale up and down as you zoom in and out. This allows you to achieve a consistent line width. This option is in the Preferences dialog which can be found under **Mischief-Free** > **Preferences…**

Color

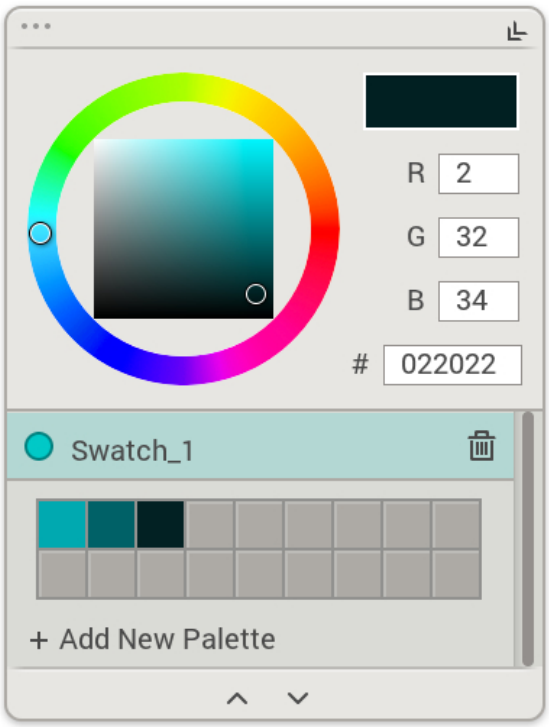
Mischief has a simple Color Panel for setting hue, saturation and value.



You can open the swatches by clicked on the arrow under the Currently Selected Color box. You can drag any color out of the Currently Selected Color box and drop it into one of the 18 swatch slots in a color palette to save it.



A more extensive color panel can be opened up by using the  button in the top right corner. This menu gives you the option to use RGB or Hex values to select the exact color you want.



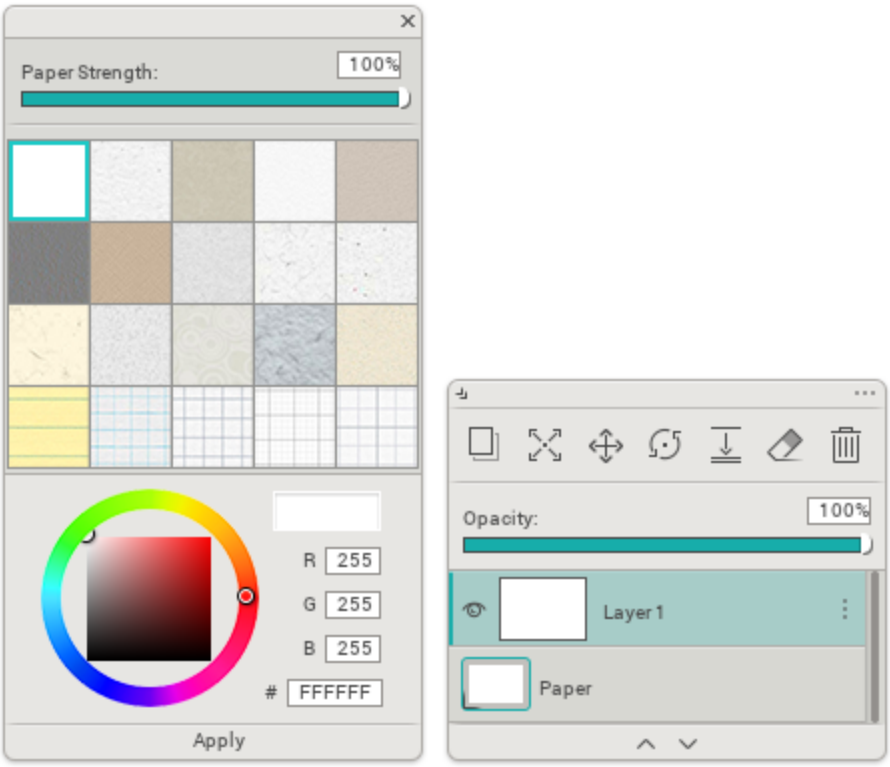
Here you can also get access to multiple color palettes. You can save up to XXX palettes, each containing up to 18 saved color swatches.

TIP: You can also use the color picker to select a color from your artwork or an image imported into your canvas.

TIP: We also like to use a portion of our canvas as a custom color palette so we can select colors from there by using the color picker tool. If you put this on a separate layer, you can move and scale it independently from the rest of your canvas and delete it when you are finished with your artwork.

Paper

The paper is the background layer of a Mischief canvas.



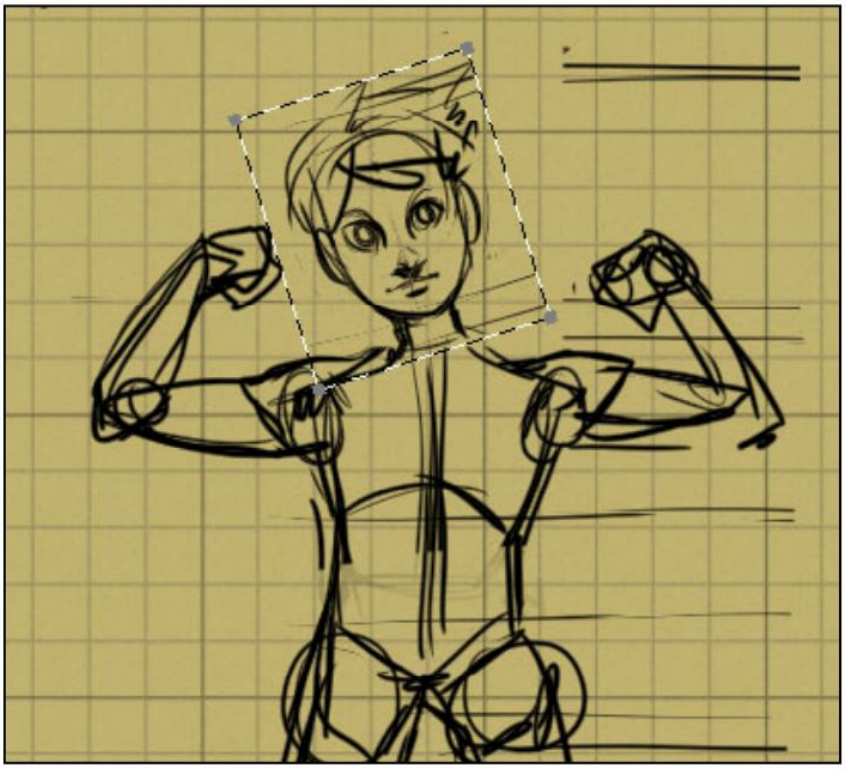
Here you can select the paper that you wish to use. You can also change the paper color by using the color controls. You can also control the paper texture strength by using the texture strength slider.

Selection

Use the selection tool to select a region of your canvas, once an area is selected you can cut, copy, paste or even export it. Shortcuts are available for these actions and also for deselecting a region.

Select and Transform

Use the selection tool to select a region of your canvas and then choose the Transform Selection XXX from the XXX menu. This allows you to move, scale and rotate the selected region, for example, to adjust the proportions or pose of a character.



Geometric Tools

Mischief provides a small set of geometric tools for your convenience, they will be drawn using the current pen or eraser style. Available shapes are: Square, Circle, Line and Custom. To close a shape or line you can double-click or hit escape on your keyboard.

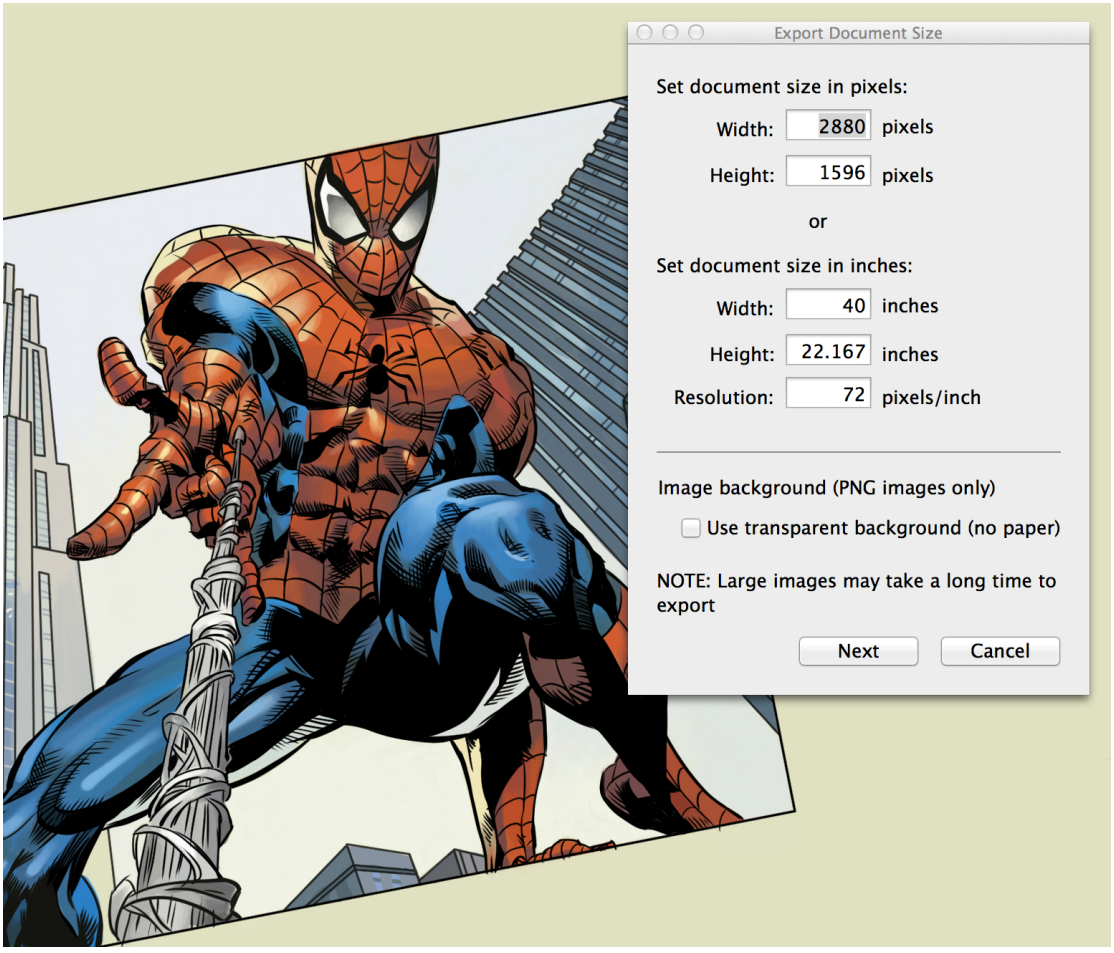
NOTE: You can use geometric tools to create page boundaries or panels if an infinite canvas is just too big!

Exporting

Mischief allows you to export your canvas in two ways, you can either export your visible canvas or you can export a selection.

Export Visible Canvas

You can export your visible canvas by going to **File** > **Export Visible Canvas…**, this will open the Export dialog shown below. Here you can set your export document size in pixels or inches.



Export Sizes

Because Mischief is vector based you can save our work out at huge sizes and you won't lose the quality of your strokes. The maximum size Mischief exports at is 20000 Pixels or 277.778 Inches…That's about 7 metres across, or about the height of a three story building.

Note: Large exports may take a long time to export!

Export File Types

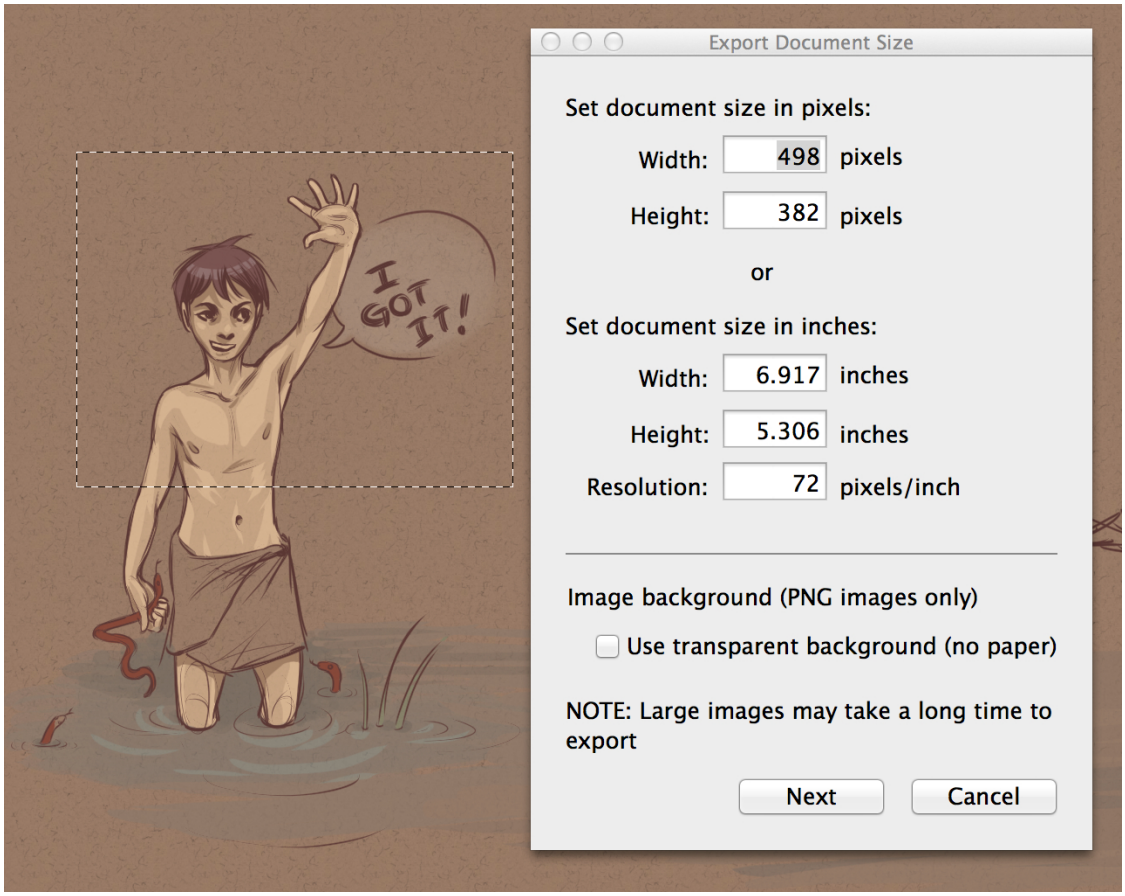
Mischief saves out files as .JPEG by default but you can also save .PSD and .PNG files

If you export your file as a .PSD you can retain your layers which can be very useful if you want to take your artwork in Photoshop.

If you export your file as a .PNG it will take out the background color and just give you your strokes by themselves.

Export Selection

You can export your part of your canvas by going to **File** > **Export Selection…**, this will open the Export dialog shown below. Here you can set your export document size in pixels or inches.



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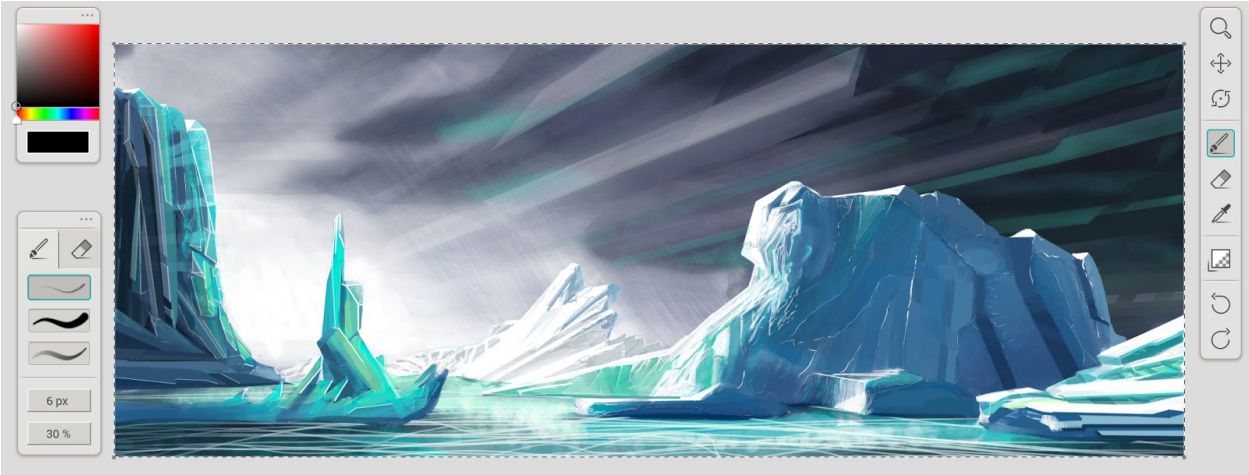
If you export your file as a .PSD you can retain your layers which can be very useful if you want to take your artwork in Photoshop.

If you export your file as a .PNG it will take out the background color and just give you your strokes by themselves.

Importing

You can import .JPG and .PNG files into Mischief by using File > Import Image…, this will open a dialog where you can select the image you want to import.

When your image in imported to will be central on your visible canvas and will be created in a new layer.



Mischief-Free Hotkeys

We have made our hotkeys similar to other painting packages to make transitioning between them a fluid process.

Mac Hotkeys



Mischief

Preferences	Cmd+K
Hide Mischief	Cmd+H
Hide Others	Opt+Cmd+H
Exit Mischief	Cmd+Q

File

New	Cmd+N
Open	Cmd+O
Save	Cmd+S
Save As...	Shift+Cmd+S
Import Image	Cmd+I
Export Selection	Cmd+E

Edit

Undo	Cmd+Z
Redo	Shift+Cmd+Z
Cut	Cmd+X
Copy	Cmd+C
Paste	Cmd+V
Reset Canvas View	Cmd+0
View All Strokes	Cmd+1
Flip Canvas Horizontally	Cmd+F
Flip Canvas Vertically	Cmd+U
Deselect	Cmd+D
Free Transform	Cmd+T

Layers

New Layer	Shift+Cmd+N
Flip Layer Horizontally	Shift+Cmd+F
Flip Layer Vertically	Shift+Cmd+U
Merge Layers	Shift+Cmd+E
Layer Up	Cmd+]
Layer Down	Cmd+[

Window

Activate Window Opacity	Cmd+W
Deactivate Window Opacity	Cmd+W
Increase Window Opacity	>
Decrease Window Opacity	<
Hide Interface	Tab

Toolbar

Zoom	Z
Zoom in	+
Zoom Out	-
Pan Canvas	H or Space
Rotate	R
Brush	B
Eraser	E
Eyedropper	I
Shape	U
Rectangular Marquee	M

Brush

Decrease Brush Size	[
Increase Brush Size	]
Brush Opacity 10%	1
Brush Opacity 20%	2
Brush Opacity 30%	3
Brush Opacity 40%	4
Brush Opacity 50%	5
Brush Opacity 60%	6
Brush Opacity 70%	7
Brush Opacity 80%	8
Brush Opacity 90%	9
Brush Opacity 100%	0

Windows Hotkeys



File

New	Ctrl+N
Open	Ctrl+O
Save	Ctrl+S
Save As...	Shift+Ctrl+S
Import Image	Ctrl+I
Export Selection	Ctrl+E
Exit Mischief	Ctrl+Q

Edit

Undo	Ctrl+Z
Redo	Shift+Ctrl+Z
Cut	Ctrl+X
Copy	Ctrl+C
Paste	Ctrl+V
Reset Canvas View	Ctrl+0
View All Strokes	Ctrl+1
Flip Canvas Horizontally	Ctrl+F
Flip Canvas Vertically	Ctrl+U
Deselect	Ctrl+D
Free Transform	Ctrl+T
Preferences	Ctrl+K

Layers

New Layer	Shift+Ctrl+N
Flip Layer Horizontally	Shift+Ctrl+F
Flip Layer Vertically	Shift+Ctrl+U
Merge Layers	Shift+Ctrl+E
Layer Up	Ctrl+]
Layer Down	Ctrl+[

Window

Activate Window Opacity	Ctrl+W
Deactivate Window Opacity	Ctrl+W
Increase Window Opacity	>
Decrease Window Opacity	<
Hide Interface	Tab

Toolbar

Zoom	Z
Zoom in	+
Zoom Out	-
Pan Canvas	H or Space
Rotate	R
Brush	B
Eraser	E
Eyedropper	I
Shape	U
Rectangular Marquee	M

Brush

Decrease Brush Size	[
Increase Brush Size	]
Brush Opacity 10%	1
Brush Opacity 20%	2
Brush Opacity 30%	3
Brush Opacity 40%	4
Brush Opacity 50%	5
Brush Opacity 60%	6
Brush Opacity 70%	7
Brush Opacity 80%	8
Brush Opacity 90%	9
Brush Opacity 100%	0