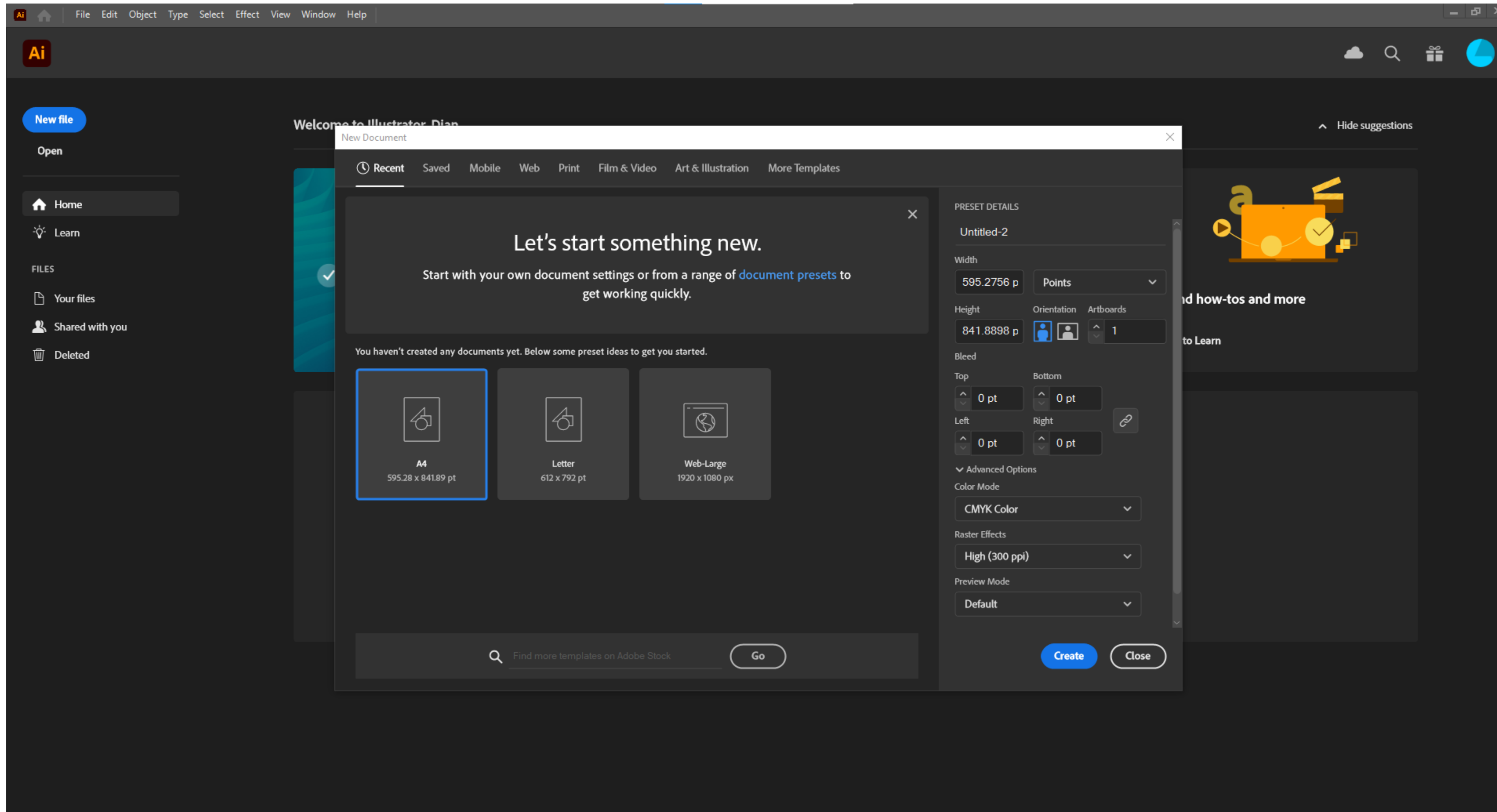# Adobe Illustrator Tutorial

Basics
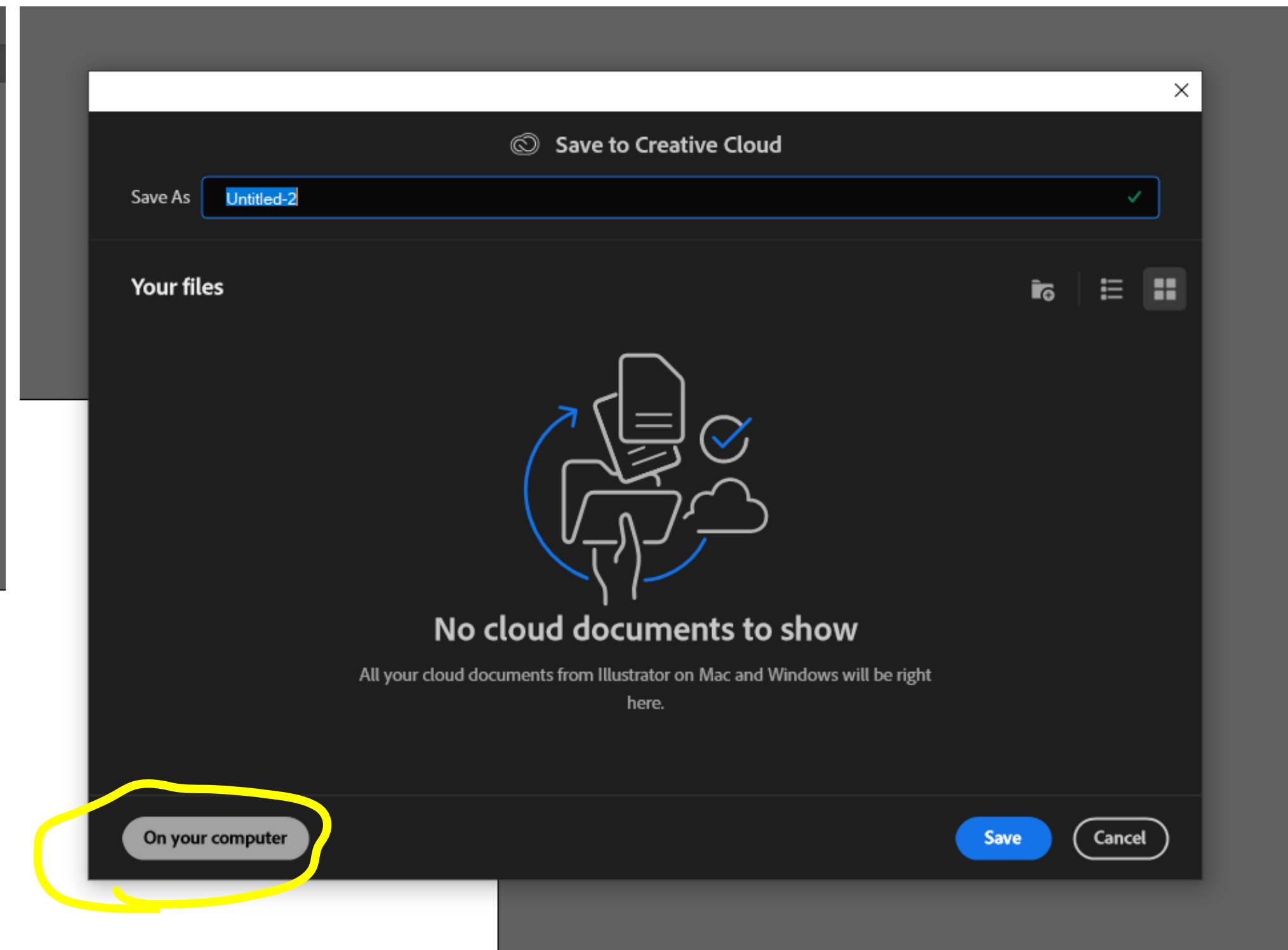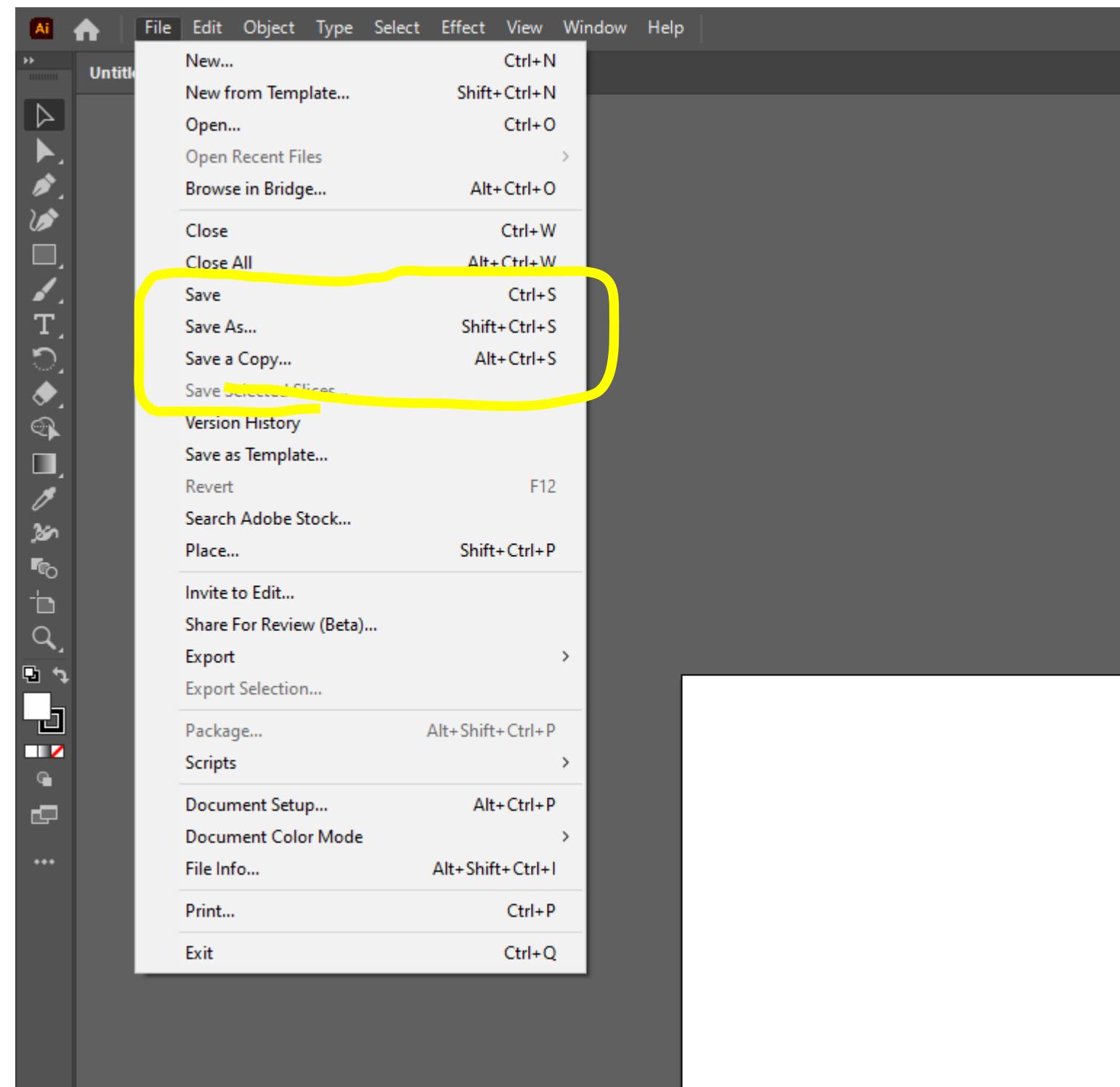
Set Up Document in Illustrator

Open **Illustrator** and go to **File** > **New** > **Document.**

- Change to Millimeteres

- Change CMYK if printing

- Hold Alt and Scroll = Zoom in /Out

- Hold Ctrl and Scroll = Horizontal Pan

- Press on Scroll Wheel = Pan
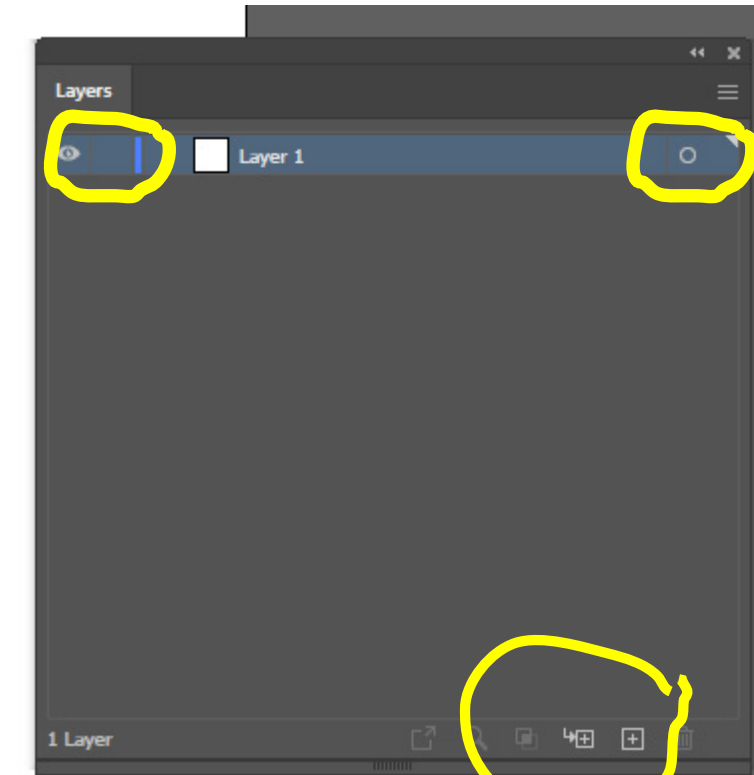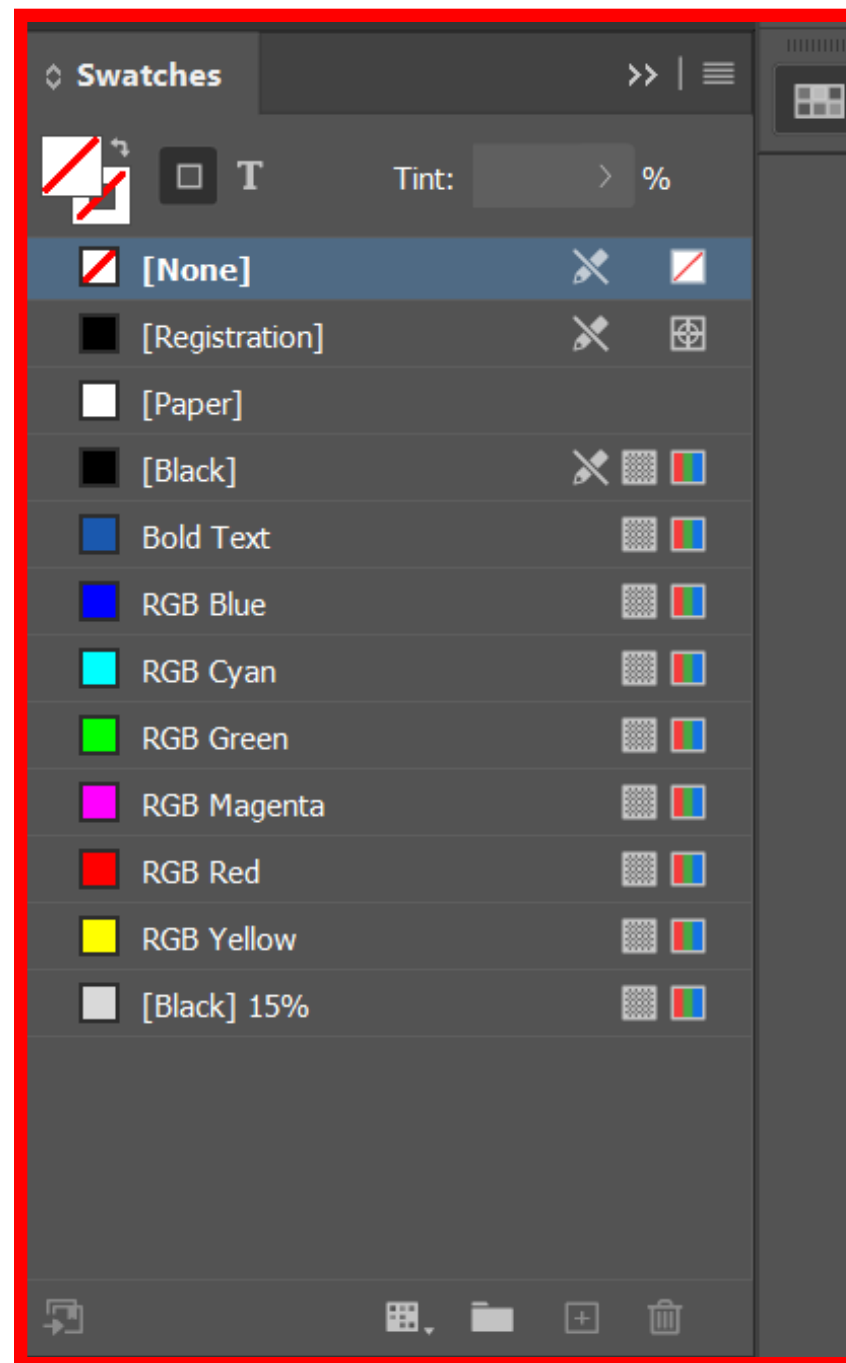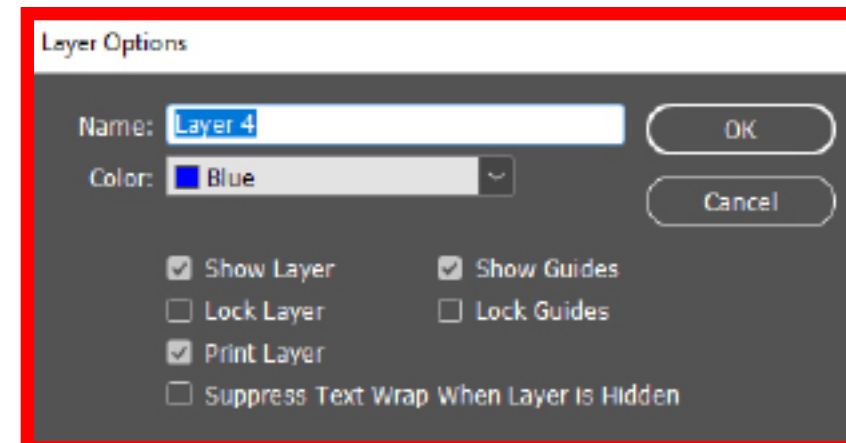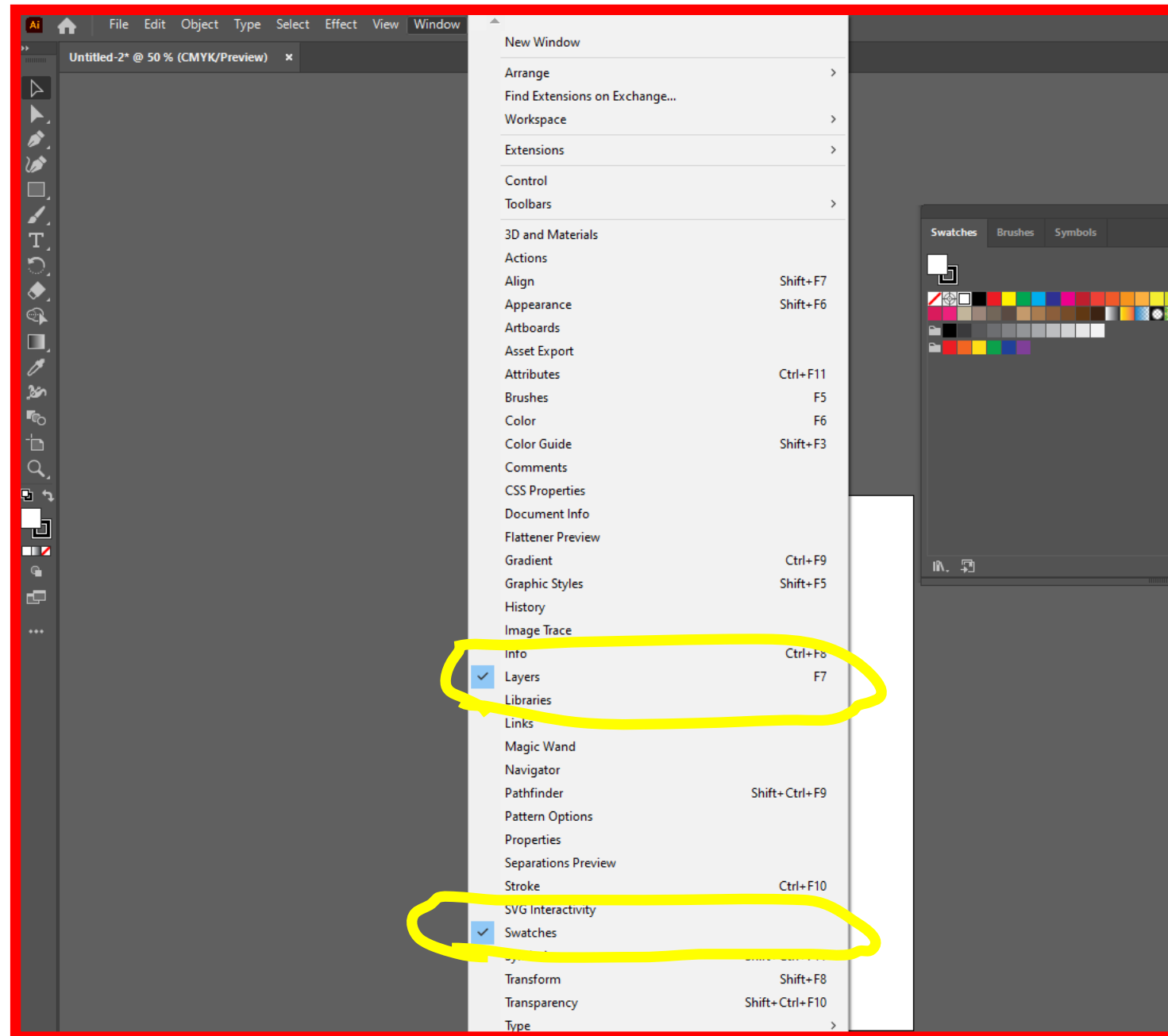
- File > Document Set up (Change file formats)

Save your Work

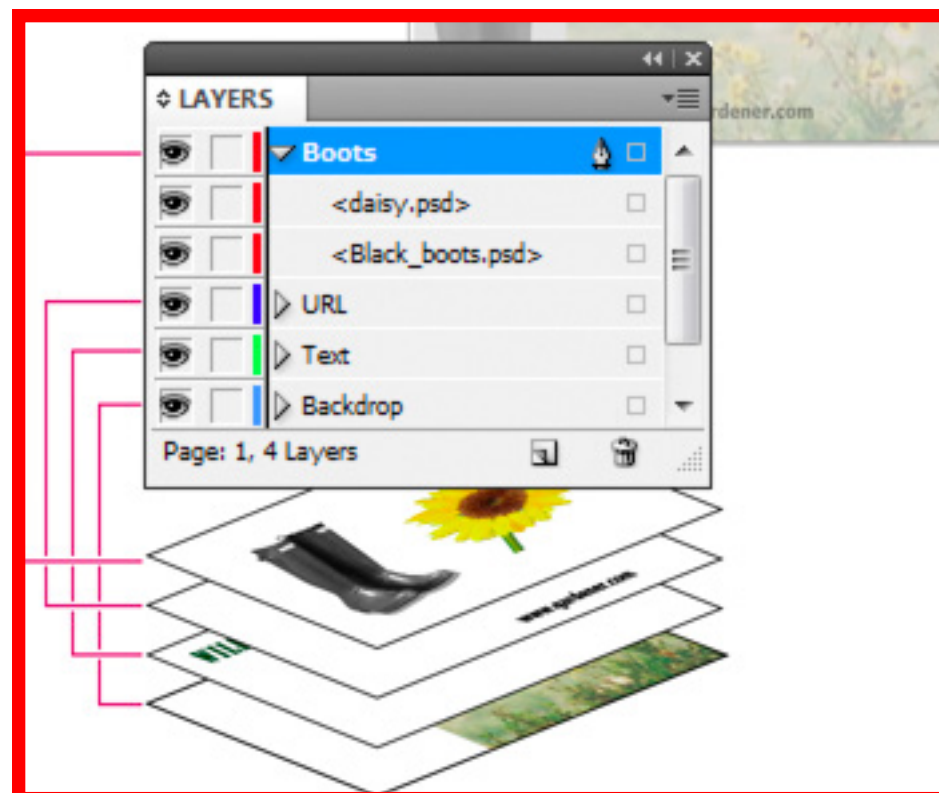Choose **File > Save or File > Save As**.

In the Save On Your Computer Or To Cloud Documents dialog box, you have a choice of clicking Save To Cloud Documents to save the document as a cloud document or clicking Save On Your Computer to save the document locally on your computer.
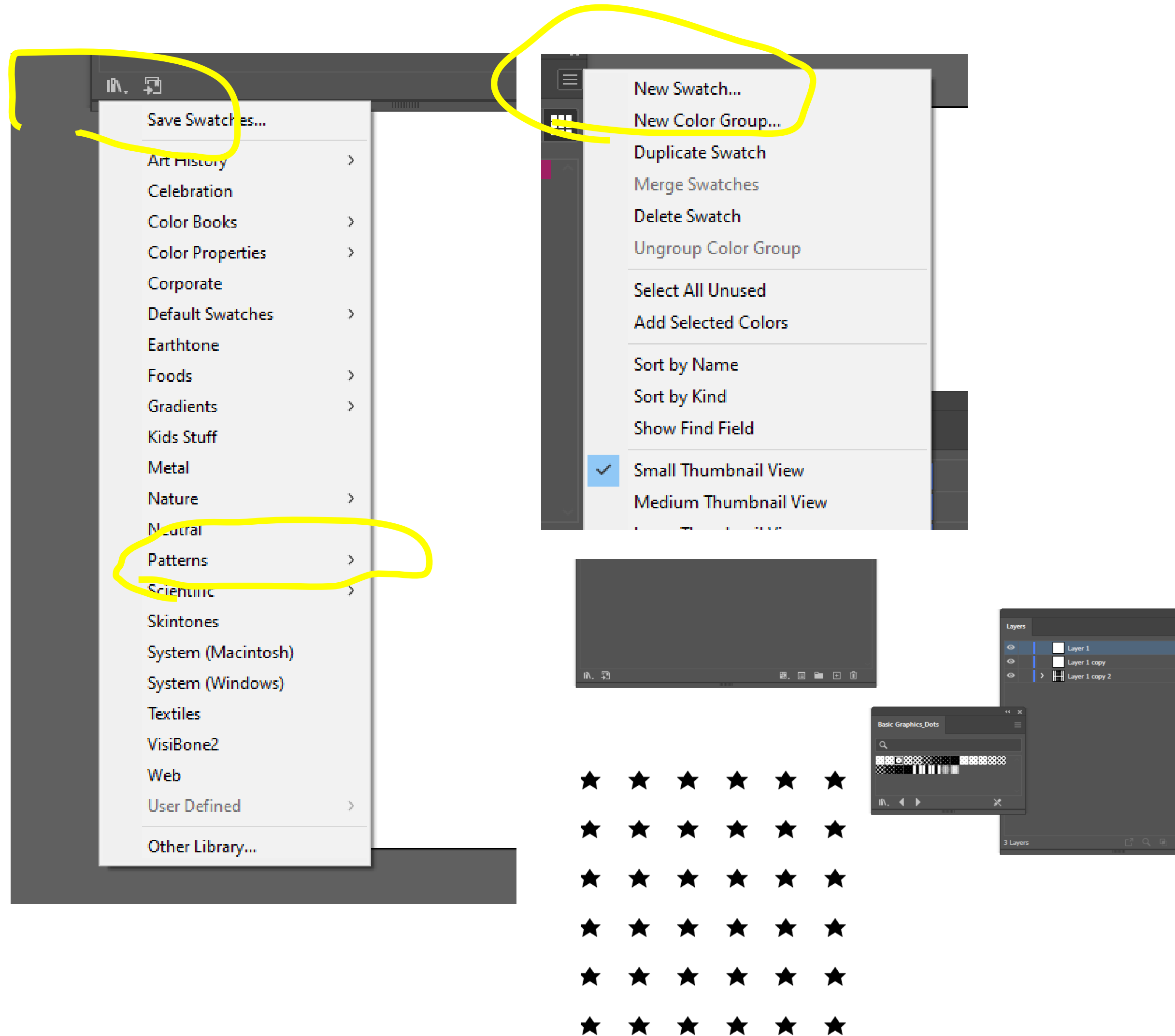
Go to **Layers** panel **(Windows > Layers)** and double-click on *Layer 1*, renaming it **Images.**

- Create more layers by **clicking** on the **Plus Icon** or delete by clicking on the **Bin Icon**

- **Hold Control** while **clicking** on **Multiple Layers** to select multiple layers. Or **Hold Shift** to swiftly select top to bottom.

- Layer Panel: (Similar to Photoshop/Illustrator any other Adobe software)

- Eyeball Icon = Visibility

- Tick Box = Lock/Unlock

- White Circle = Select Layer

- Arrow with Plus Icon = Make/Release Clipping Mask (Crop)

- Right Click on Layer to Duplicate/Create New or Delete.

- Shortcut: Holding Alt while Left Clicking and Dragging will duplicate Layer.

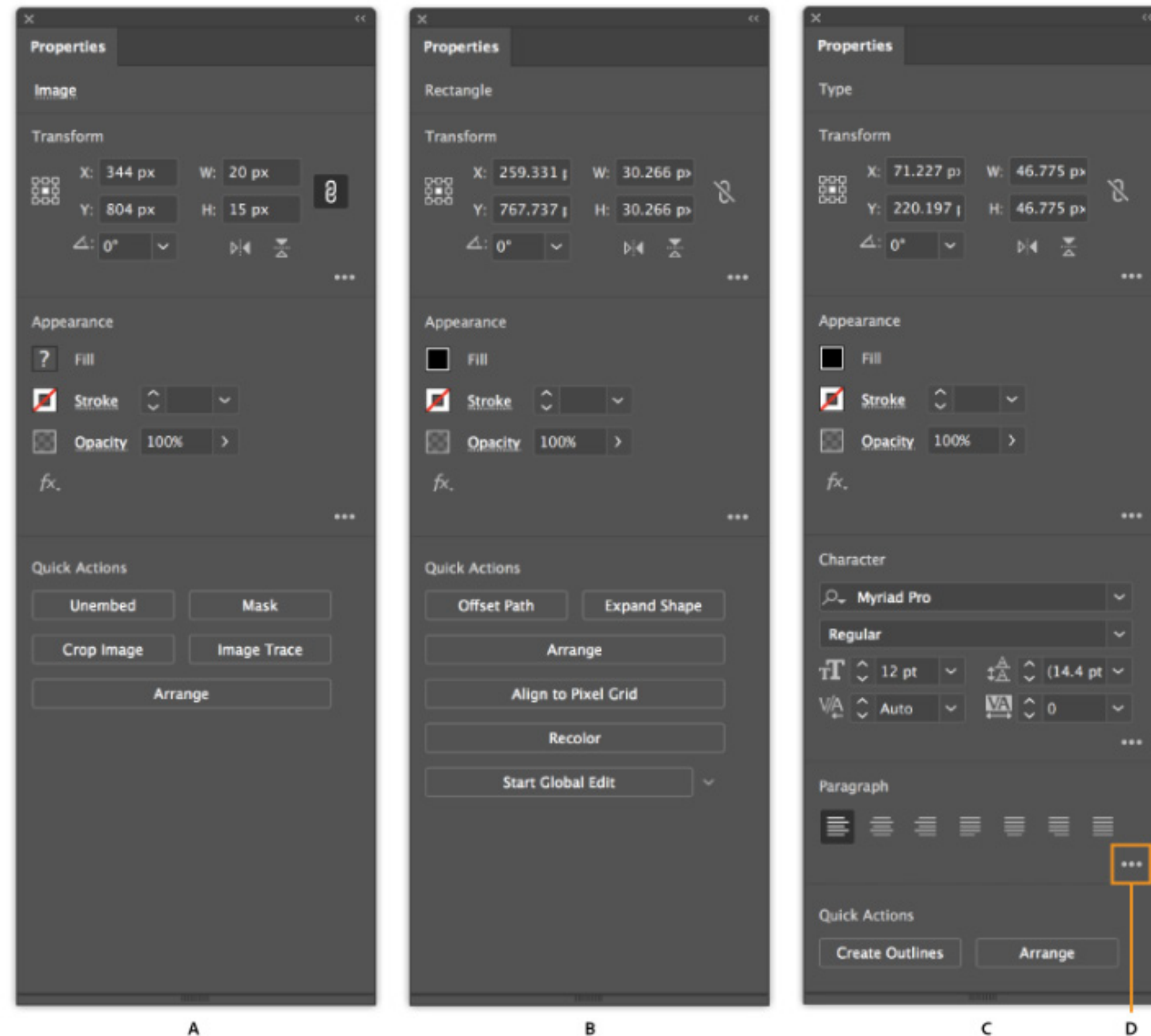For more indepth guide on Layers in Illustrator:
https://helpx.adobe.com/nz/illustrator/using/layers.html

Save Swatches...

Art History
Celebration
Color Books
Color Properties
Corporate
Default Swatches
Earthtone
Foods
Gradients
Kids Stuff
Metal
Nature
Neutral
Patterns
Scientific
Skintones
System (Macintosh)
System (Windows)
Textiles
VisiBone2
Web
User Defined

Other Library...

New Swatch...
New Color Group...
Duplicate Swatch
Merge Swatches
Delete Swatch
Ungroup Color Group

Select All Unused
Add Selected Colors

Sort by Name
Sort by Kind
Show Find Field

✓ Small Thumbnail View
Medium Thumbnail View

Basic Graphics_Dots

Layers
Layer 1
Layer 1 copy
Layer 1 copy 2
3 Layers

Go to **Library** panel and select Pattern or any material fill options.

- Drag into Swatch panel for easier configurations
- Options > Create new Swatch or duplicate > Double Click to edit and create custom pattern

Properties

A. Controls available for an image object B. Controls available for a path C. Controls available for a text object D.
View more options

For any selection, the Properties panel displays two sets of controls:

Transformation and appearance controls: Width, Height, Fill, Stroke, Opacity, etc

Dynamic controls: Additional controls, depending on the contents of your selection, may become available.

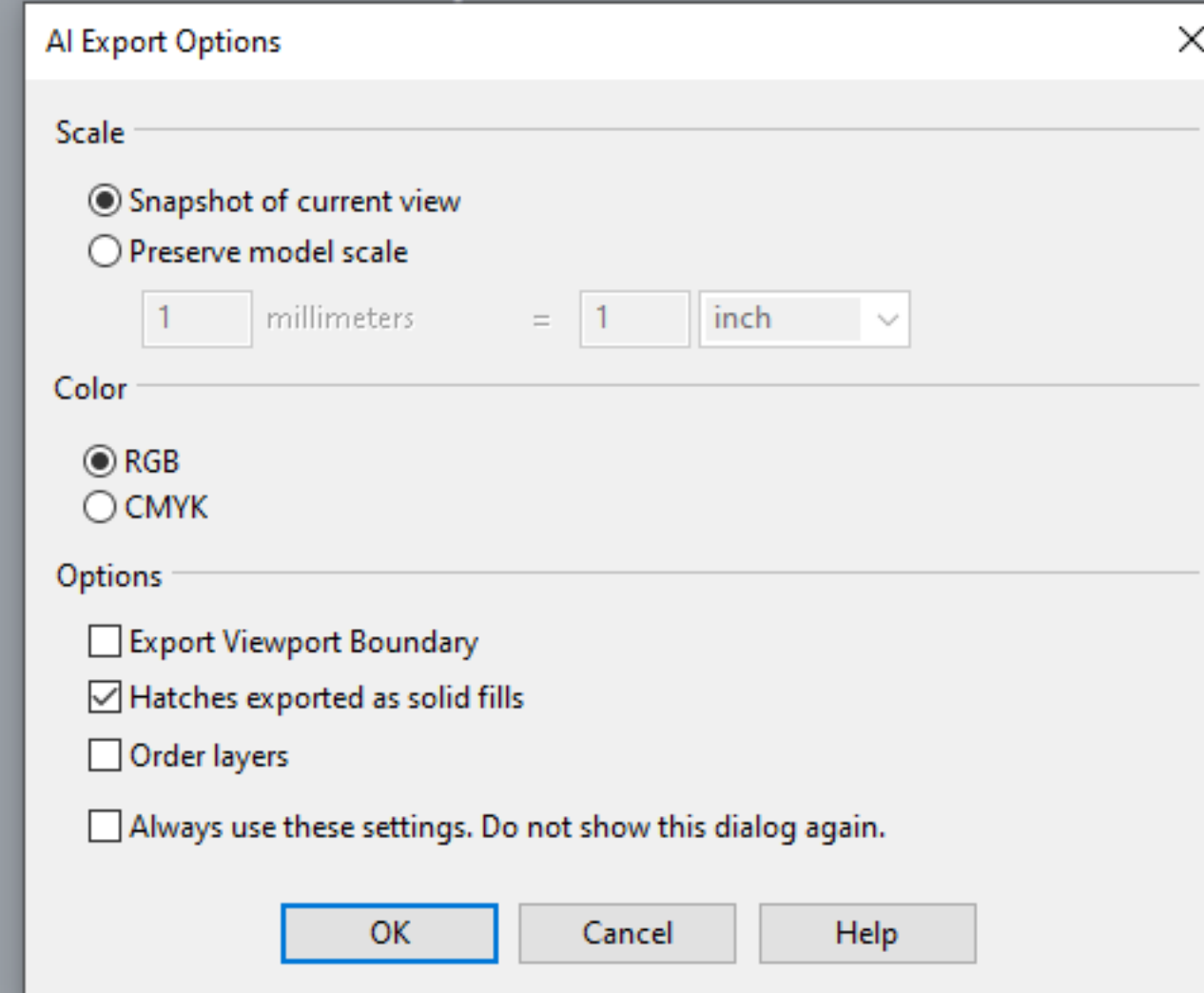For example, you can adjust the character and paragraph attributes of text objects.
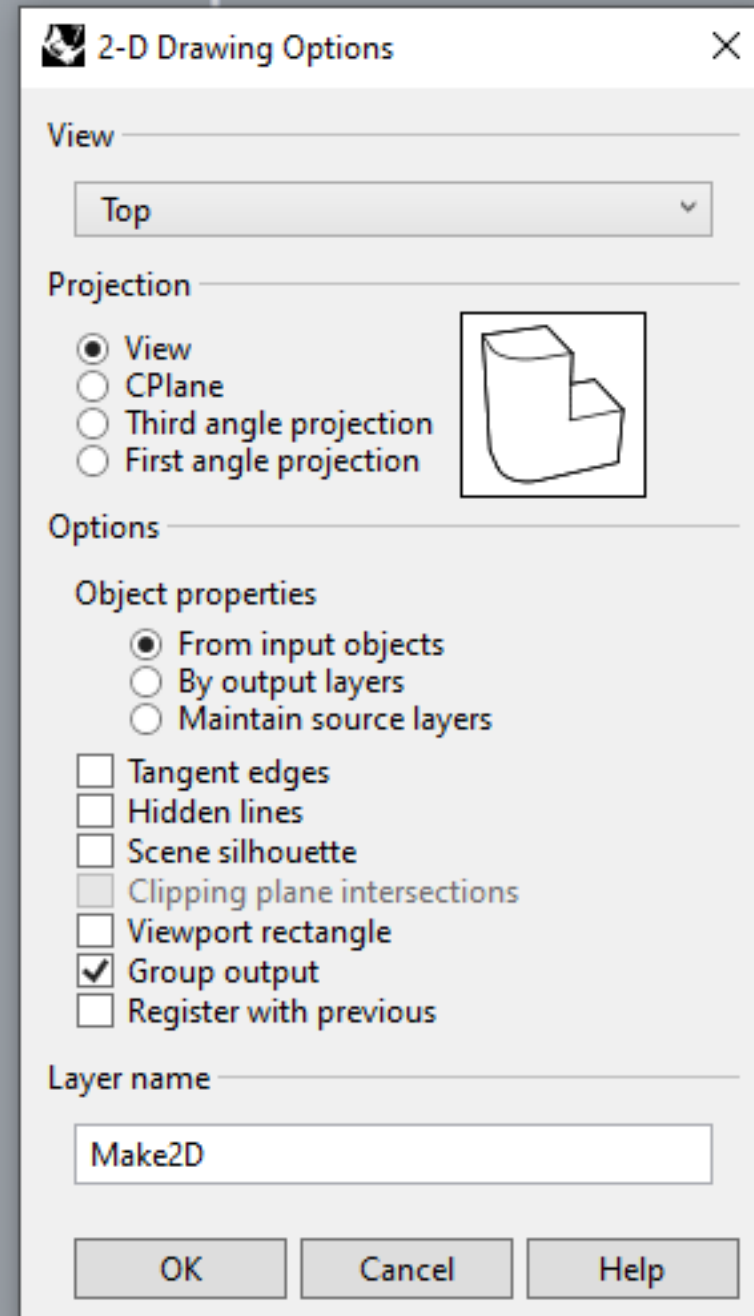
For image objects, the Properties panel displays crop, mask, embed or unembed, and Image Trace controls.

If you select a text box, the controls related to text modification are displayed in the Properties panel.

Quick Actions: Quick action tasks, depending on the contents of your selection, becomes available.

For more indepth guide on Layers in Illustrator: https://helpx.adobe.com/nz/illustrator/using/properties-panel.html

Rhino Exporting/Make2D

Clipping Plane or Boolean Difference > Make2D (Tick Maintain Source Layers and Group Output) > Trim to clean up > Select Duplicate to clean up

Export > Select Adobe Illustrator file type > Preserve Model Scale (Choose correct scale) > Tick Order layers and Hatches if you have fills.

NOTE: To correctly order layers on Rhino to successfully export them as separate illustrator layers.

NOTE: Make sure lasercut file fits on material and that material fits in machine

Small Machine: 59 x 47cm

Big Machine: 89 x 59cm

https://www.drh.nz/2020/02/14/laser-cut-guide-2/

Go to https://www.aucklandcouncil.govt.nz/geospatial/geomaps/Pages/default.aspx

Go to your address/site and tick the information you want extracted (Usually contours, building footprints, parcels, kerb lines, and aerials.)

Change Features > AutoCAD DWG

Type in email and it should email you the download link (may take awhile depending on file size)