Risograph File Preparation - Raster Images in Photoshop

Create a new document in **Photoshop**.
Your document should be:

- 300dpi
- tabloid sized
- portrait oriented

There is a preset for this in the **Print** tab in the **New Document** menu.
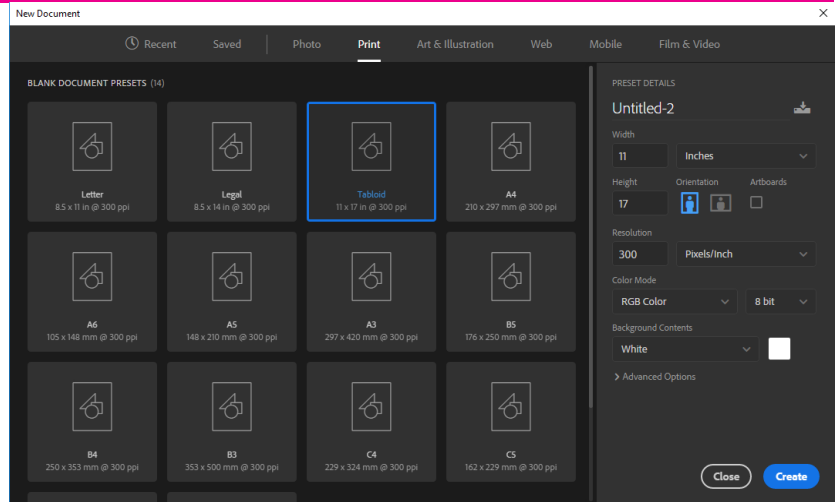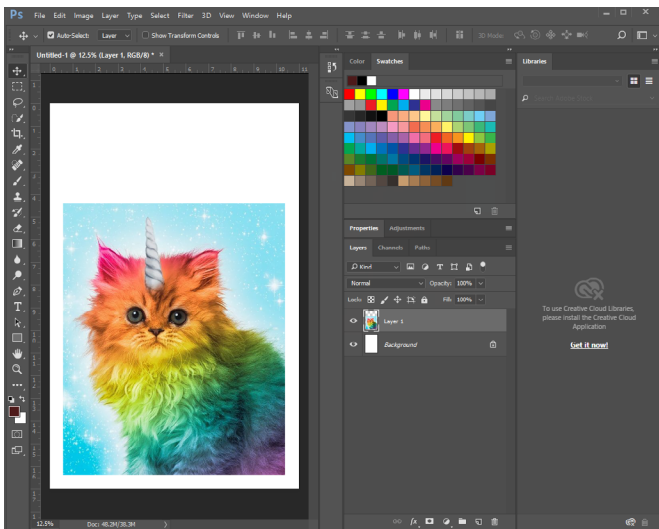

Fig 1 - New Document

Fig 2- Insert Artwork

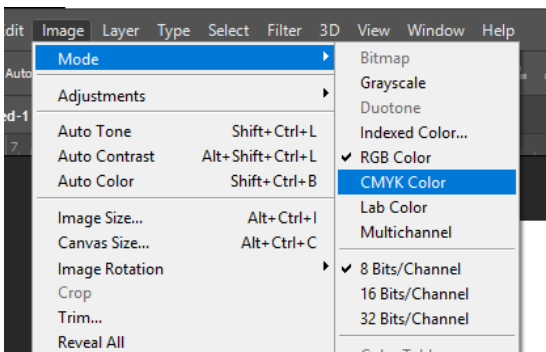Insert your full-color artwork into the document.

Be sure to follow the placement guidelines in the **Printable Area** and **Ink** sections of the **Risograph Printing Guide**.

From here there are two main options for converting your image in to color separations, channels, for printing.

Option 1. Convert your image to CMYK Mode
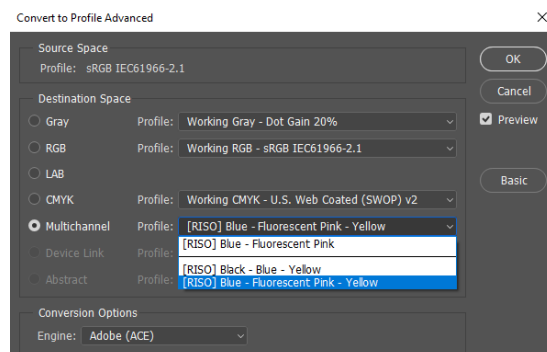
Go to **Image > Mode > CMYK Color**

This will give you 4 color channels. While CMYK does not translate directly to Riso ink colors, Blue can approximate Cyan and Fluorescent Pink can approximate Magenta.

Option 2. Convert your image to a [RISO] profile

Go to **Edit > Covert to Profile**. Select **Advanced**. Select a **[RISO]** profile from the **Multichannel** dropdown menu.

This will break your file up into 2 or 3 color channels profiled to match available Risograph inks.

For this example I used the **[RISO] Blue - Fluorescent Pink - Yellow** profile, which gave me three corresponding color channels (see Fig 3).

At this point, you can edit the individual color channels if need be. Go to **Image > Adjustments** to access available adjustments such as Levels, Curves, or Brightness/Contrast.
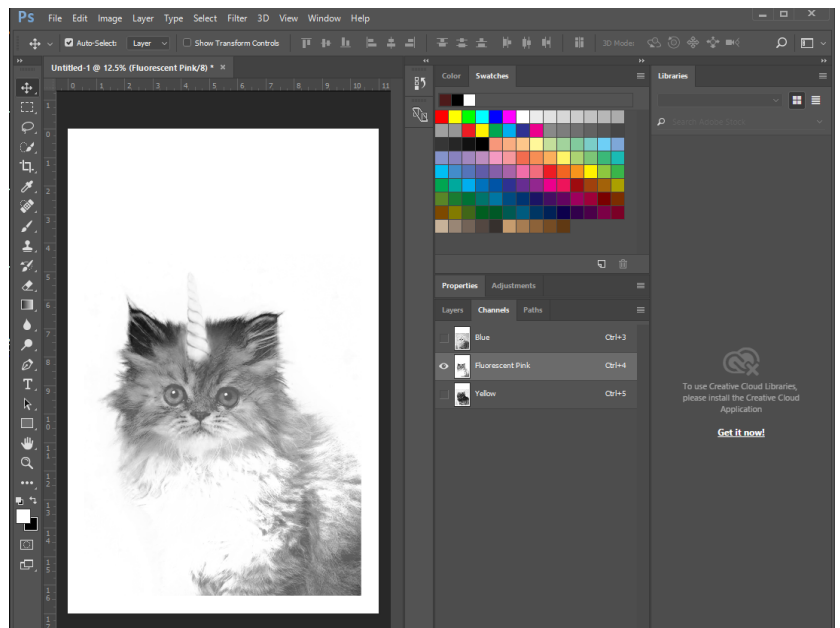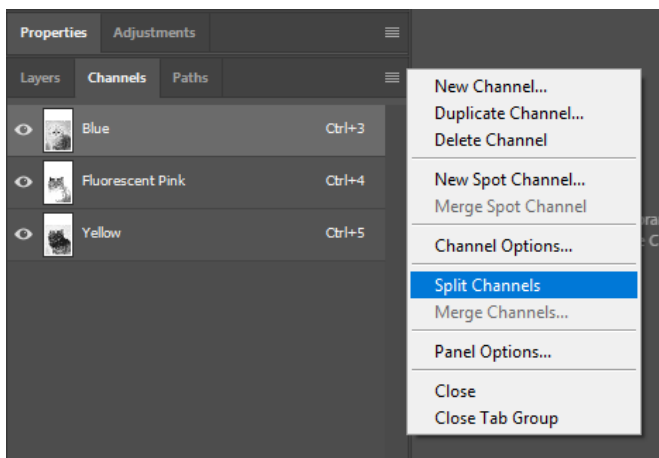

Fig 3 - Channels Window

Fig 4 - Split Channels

Once you have made all of your desired edits, open the menu in the **Channels Window** and select **Split Channels**.

This will create a new grayscale file for each color channel in your document. These grayscale files are what we will actually send to the printer.

Starting with your lightest color (yellow, then pink, blue, black) and/or your channel with the least amount of ink coverage, begin sending your prints following the instructions in the **Printing to the Riso SF9450** guide.

Find more information at:
<**http://go.illinois.edu/artRiso**>