

Converting color photographs into black and white & Colorizing

1. Image->Mode-> Grayscale (RGB = 59%Green, 30% Red, 11% Blue)
2. Channels-> look at each one separately and pick the one that looks the best, click on it and convert to grayscale by Image->Mode-> Grayscale It will ask if you want to discard the other channels and you say yes!
3. Image-> Calculations Allows you to mix two channels with different percentages and blending modes and create a new document.
4. Adjustment Layer -> Channel Mixer. Click on Monochrome at bottom to turn image into grayscale, then pull the sliders for each channel until you like the result. To keep the exact exposure as the original, make sure that the Total equals 100%. If it is more, it will be lighter, if less, it will be darker. There are also presets listed, which you can access, in the top box. You can also save your adjustments to use on other images.
5. Image-> Adjustments->Channel Mixer Allows you to combine different percentages of each channel together to make one channel. Click on Monochrome at the bottom of the menu. If the percentages add up to over 100% the image will be lighter than the original, or less than 100% it will be darker. You can also use channel mixer as an adjustment layer for continuing changes.
6. Image->Duplicate, Channels-> (submenu) Split Channels This creates 3 new grayscale documents from the original color. You can then see them together, and recombine them as layers in either a new document or one of the channels.
7. As above, copy each channel into a new document and use them as layers in different opacities for the right mixture of

tones. Remember you can also use adjustment layers for further tweaking. Adjustment layers are by nature layer masks, so each one can be adjusted further in detail.

8. Adjustment layer-> Hue/Saturation Take the saturation down to 0 then further adjust the colors by changing the lightness of a specific color in the drop down menu. You can save this setting and apply it to other images. You can also lower the saturation of one color more than another.

9. Adjustment Layer -> Channel Mixer. Instead of clicking on grayscale, mix the channels to make a colorized effect. If you add a layer mask, you can affect the color in areas that you either brush in or out of the mask.

10. Duotone:

A. convert your image to black and white using one of the methods above. (make sure the image is in 8bit) You can duplicate your image at this point to save the layers in the original.

B: Image->Mode -> Grayscale and discard the extra channels.

C: Image->Mode -> Duotone . You can now fill in the blacks with another color or colors depending on whether you want 2 or more colors. Change the color in the box to the right, change the curve in the box to the left of each tone in the duotone popup menu.

D. To print a duotone on an inkjet printer, you must convert the image back to RGB in order for the color to show up. Then print like you would any color image.