

# Color Separation 101

## "Duotone" Photo Method

This method is best for photographic images you are looking to reproduce in two approximate (but not exact) RISO colors.

Note: there are multiple ways to achieve this effect but today we will be talking about batching CMYK layers to create an approximated color range as an easy method

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### Preparing your Layers

1. Open image in Photoshop (make sure your image is 300 DPI)

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2. Go to: Image > Mode > CMYK

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3.

Layers	Channels	Paths
<input type="checkbox"/>	 CMYK ⌘2	
<input type="checkbox"/>	 Cyan ⌘3	
<input checked="" type="checkbox"/>	 Magenta ⌘4	
<input type="checkbox"/>	 Yellow ⌘5	
<input type="checkbox"/>	 Black ⌘6	

In your "channels" tab (on the right side) toggle through the channels to get a visual grasp on which may hold the most relevant data for your image. Depending on your image you may want to lean more heavily on warm or cool channels in your file creation. At this stage you should have an idea of what colors you want to print with and begin planning in accordance.

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4.  
Toggle only one channel on and press:  
"Command + A" to highlight the whole layer.

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5.  
Press "Command + C" to copy the entire  
channel layer

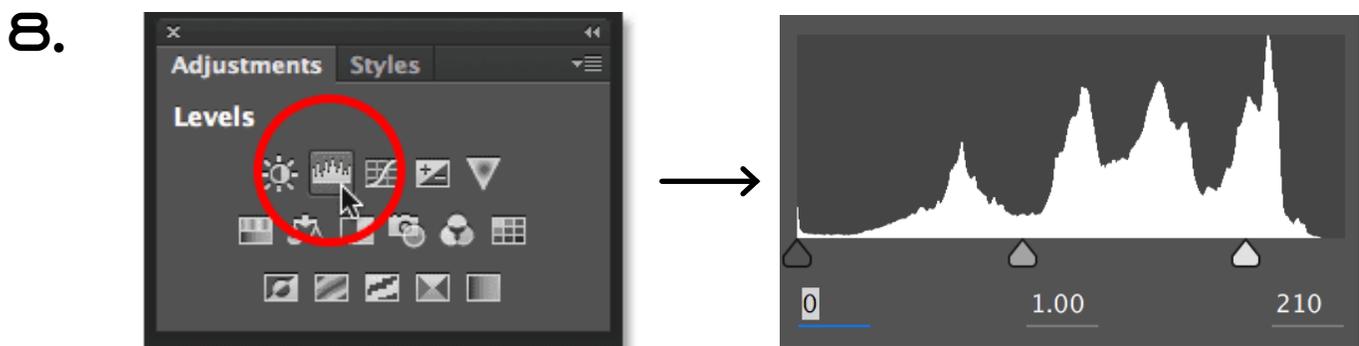
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6.  
Press "Command + N" to create a new docu-  
ment

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7.  
Press "Command + V" to paste your channel  
layer into the newly-created document.

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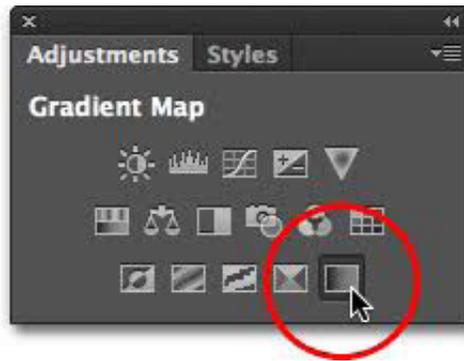


Create a "Levels" adjustment layer to begin  
tweaking the output range for your greyscale  
layer,



and "Option + click" the adjustment to group  
it to the layer below.

9.



Select a new color in the color tab and create a "Gradient Map" adjustment layer. This can be used to preview the approximate riso color you'd like to print with. "Option + click" the adjustment to group it to the layer below.

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10.

Copy and paste another channel into your new document and set it to the "Multiply" blending mode and follow steps 8 and 9.

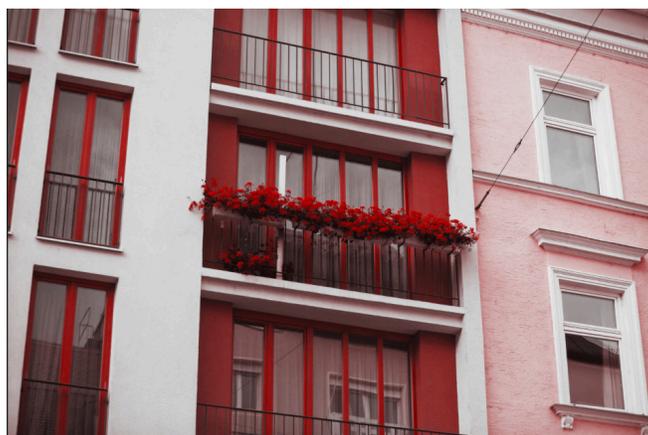
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11.

If you feel you are losing data from a channel, consider batching two together. For example, batch Yellow & Magenta or Cyan & Black together by pasting and multiplying them on top of one another.

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12.



Tweak until you are satisfied.