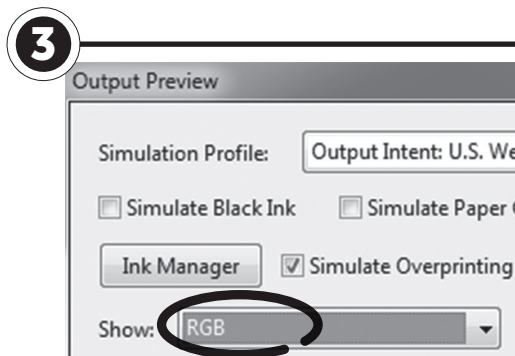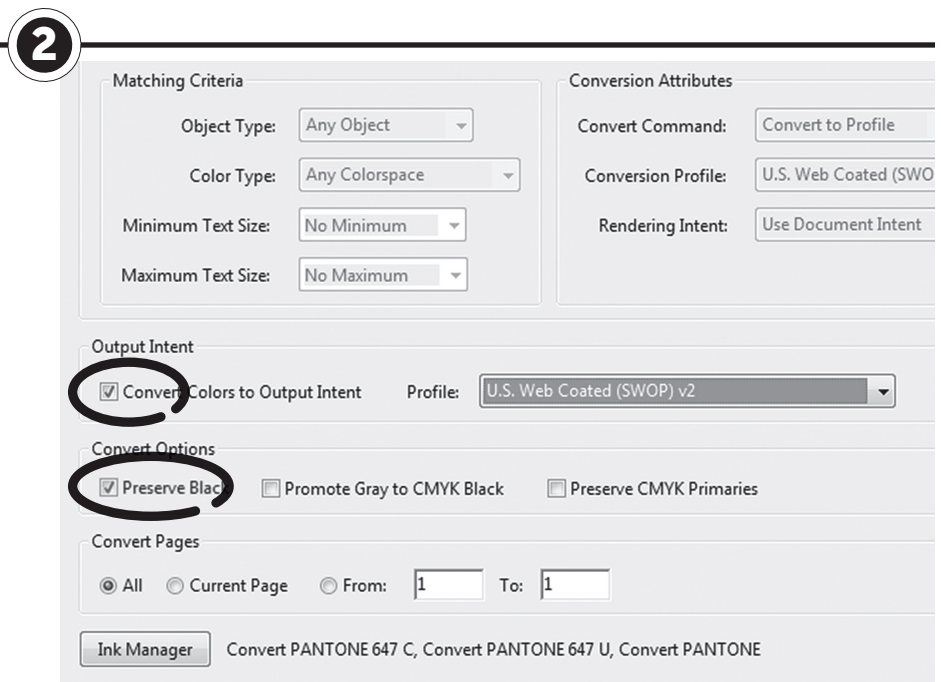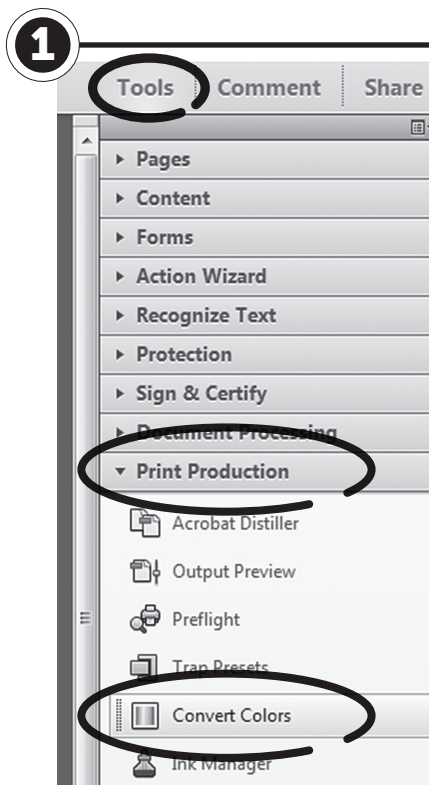# RGB vs CMYK Colors

Red, Green and Blue (RGB) colors make up the spectrum of colors that we see on our computer screens. Images and graphics printed on paper use process color format: Cyan, Magenta, Yellow and Black (CMYK). In some cases there will be noticeable differences between shades of color when converting them. In order to get your desired print, it's best to do this conversion yourself.

The best way to convert RGB images and graphics is to convert them to CMYK process color in your **original file**. If that's not possible, you can convert a PDF to process color using Acrobat Professional. Here's how...

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1 Open the PDF and choose
Tools Pallette > Print Production > Convert Colors.

2 Under Output Intent, check the box "Convert Colors to Output Intent" and select "U.S. Web Coated (SWOP) v2" from the drop-down menu. Then check "Preserve Black" under "Convert Options". Click OK.

3 To confirm there are no longer RGB images choose,
Tools Pallette > Print Production > Output Preview. Then under Show, select "RGB" from the drop-down menu. You should see nothing if all images have been converted.

Note: If you do not have Acrobat Pro you will not have the Print Production Tools. Ask your printer for help.