



# CONVERTING **RGB** FILES AND **COLOR** CORRECTION

With the age of digital cameras we are frequently asked about about **RGB** files, color correcting and conversions.

**RGB** files have the color spectrum of **Red**, **Green** and **Blue**. Not suitable for lithographic printing but, because **RGB** has a much larger color gamut than **CMKY**, we would always recommend that any color correction is done in this mode.

Once you are happy with the colors, then convert them to **CMKY** for litho printing.

Converting **RGB** files to the correct format, either **CMKY** for full color process printing or PMS / Grayscale for single color or Spot color printing, is usually done in Photoshop.

To convert **RGB** to **CMKY** using Photoshop go:

>Image >mode >CMYK then >File >Save As >Format >TIFF

If you are working in a single color document, ie black, to convert your image to Grayscale go:

>Image >mode >Grayscale then >File >Save As >Format >TIFF

If working in a document using PMS colors and you want your **RGB** or **CMKY** image as one of the PMS Colors you are using go:

>Image >mode >Grayscale then >Image >mode >Duotone then in >Type select Monotone. Click on the colored box and select the PMS color that you require then >File >Save As >Format >EPS

*Note: Depending upon how you have your files and folders set up, it is always a good idea to retain your original files - just in case. It is therefore recommended that when you have done any conversions that you give them a different name ie: Your original RGB may be called Winter Scene. You could save this as WinterSceneCMYK or WinterScenePMS etc etc*

If you have any questions regarding file conversion, contact our prepress department 208-375-7700