

CHUDLEIGH CAMERA CLUB

Basic Skills 7 Focus Sheet

Digital Imaging – File Print Preparation

Your screen needs to be calibrated:

This means that it is set to a standard in terms of brightness, contrast and has a neutral colour balance. Work in a comfortable ambient light (not a darkened room)

Set the colour workspace in your imaging program ([Gimp](#), Photoshop etc.)



Photographic lab printing

Work in [Srgb colour space](#)

Files should be RGB not grey scale and 8 bit depth NOT 16 bit.

Resize the image to the print size @ 300dpi.

e.g. 15"x10" @ 300dpi

For lab printing save as best quality [.jpg](#) (not progressive jpg) embedded Srgb profile

Make sure you size to a printable paper size.

Large format or photo quality inkjet printing

You can use [Argb colour space](#) or [Srgb colour space](#)

Resize the image to the print size @ 300dpi.

For wide format printing save as [.tif](#) embedded Argb or Srgb profile

For large format printers, printing through a RIP

You can use [Argb colour space](#) or [Srgb colour space](#)

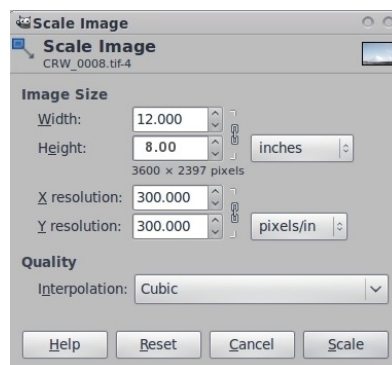
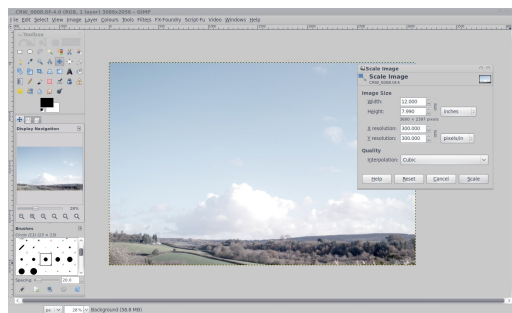
You can resize to a minimum of half size (quarter area) @ 300dpi.

e.g. for print size 24"x16" - size to 12"x8" @ 300dpi.

But do not reduce the size unless it is already bigger than the print size you need.

For wide format printing save as [.tif](#) embedded Argb or Srgb profile

Both the size and resolution are important, files should be flattened before saving for print



Scanning resolutions from film

35mm film - Scan at 1200 dpi = 6"x4" at 2400 dpi = 12"x8" at 4800 dpi = 24"x16"

6cm x 6cm film - Scan at 1200 dpi = 9.5" x 9.5" at 2400 dpi = 19" x 19" at 4800 dpi = 38"x 38"

The greater the level of interpolation, the lower the quality of finished print will be.

The larger your original file – generally the better the print will be.

The image quality from a 'full frame' DSLR will potentially be better than one from an APS-C cameras, because the chip is over twice the size. An image from an APS-C camera will potentially be better than one from a compact camera because the chip is approximately 12 times the size.