

How to check the resolution...

Resolution

Resolution, also known as DPI (Dots Per Inch) or PPI (Pixels Per Inch), can be described as the number of dots that fit horizontally and vertically into a one-inch space. Generally, the more dots per inch, the more detail captured and the sharper the resulting image.

Help Topics

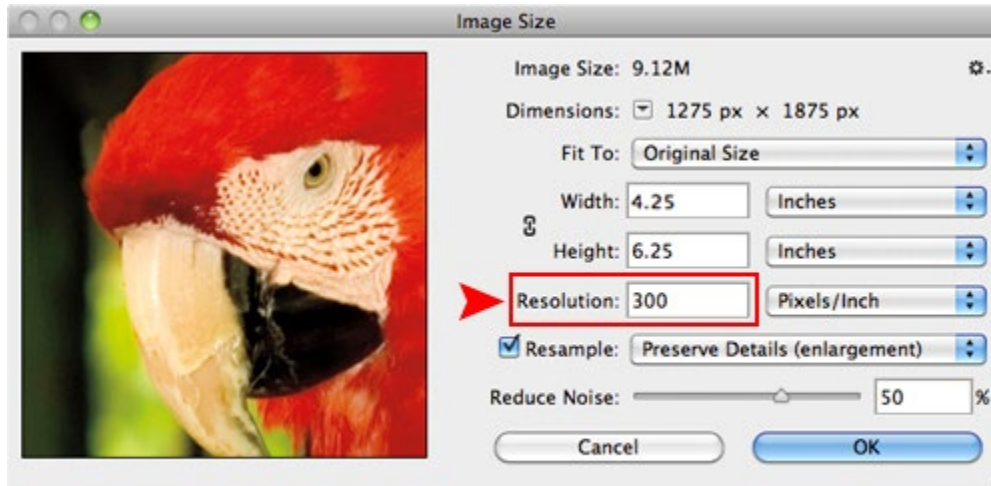
300DPI

For an image to print properly, the image resolution must be at least 300 dots per inch (DPI) at the final output size.

How to check resolution...

In Photoshop

To see if the file has the proper resolution for printing in Photoshop, click on Image>Image Size. View the resolution section. The resolution should be set to 300 dpi.

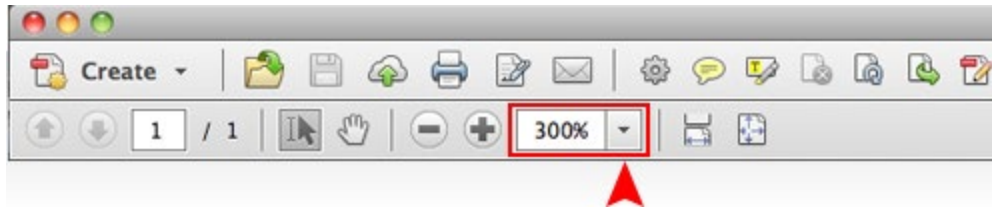


For printing, the resolution should be 300 dpi. Notice the detail as being sharp and crisp.

In Acrobat

To see if the file has the proper resolution in Acrobat, set your view to 300%. If your artwork appears pixelated beyond this point, then your artwork is low resolution.

How to check the resolution...



How do I know if my resolution is good for print?

If the artwork appears pixelated beyond the 300% view in Acrobat, then this is an indication that your file is low resolution. If the artwork appears crisp at 300%, then this is a good indication that your resolution is print ready.



Suggestions

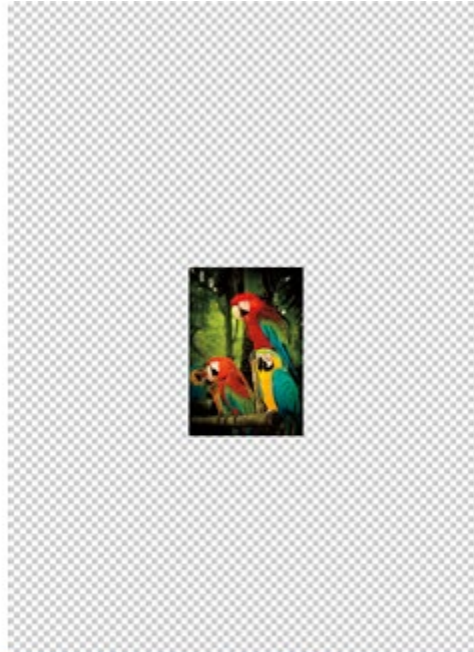
DO NOT ENLARGE a 72 dpi file in your 300 dpi document.

A common misconception is that a file can be converted a file from 72 dpi to 300 dpi. This is both true and false. If the image is 4 by 6 inches at 72 dpi, the image will actually be smaller when importing it to a 300 dpi document. This is not the same for files that are large in size at 72 dpi. For example, if the file is 28 inches by 40 inches at 72 dpi, then the file is large enough to import into a 300 dpi document.

How to check the resolution...



72 dpi file grabbed from the Internet.



72 dpi file imported to a 300 dpi document.



If your 72 dpi image appears smaller in the 300 dpi document, DO NOT enlarge or scale to fit. Doing so will make your artwork pixelated.



72 dpi file enlarged to document size. Looks fine, but is actually low resolution.

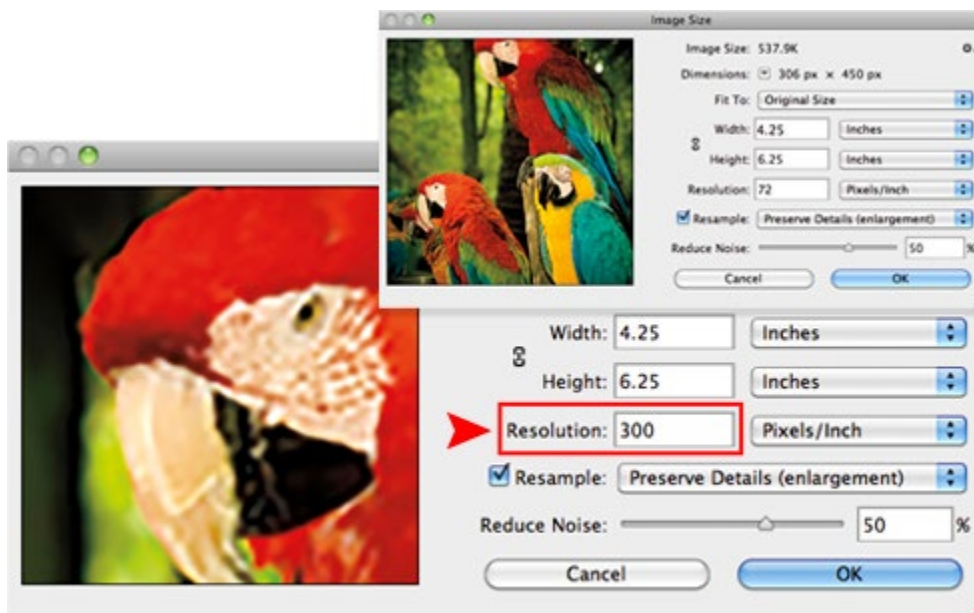


Effect of enlarging a 72 dpi to fit into a 300 dpi document. The final print will result in a pixelated and blurry image.

DO NOT RESAMPLE THE RESOLUTION in Photoshop.

Another misconception is that by increasing the resolution from 72 dpi to 300 dpi in Photoshop simply by changing the current dpi to 300 dpi. This is incorrect. Doing so will create a pixelated the file.

How to check the resolution...



A 72 dpi file resampled and printed at 300 dpi. Notice how the image became pixelated.

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