

Image Size and Resolution

File Size

All of these images have the same file size. However, the pixels are distributed (resolution) differently in each image thereby changing their resolution, print size and quality.

The first screenshot shows the original image with a resolution of 144 pixels/inch and a print size of 5 inches wide by 4 inches high. The second screenshot shows the image resampled to 288 pixels/inch, resulting in a print size of 2.5 inches wide by 2 inches high. The third screenshot shows the image resampled to 576 pixels/inch, resulting in a print size of 1.25 inches wide by 1 inch high. In all cases, the pixel dimensions remain 720 by 576 pixels.

Resolution

All of these images have the same resolution. Their print quality will be the same, however, each image has a different print and file size.

The first screenshot shows the original image with a resolution of 144 pixels/inch and a print size of 5 inches wide by 4 inches high. The second screenshot shows the image resampled to 360 pixels wide and 288 pixels high, maintaining a resolution of 144 pixels/inch and a print size of 2.5 inches wide by 2 inches high. The third screenshot shows the image resampled to 180 pixels wide and 144 pixels high, maintaining a resolution of 144 pixels/inch and a print size of 1.25 inches wide by 1 inch high.

Print Size

All of these images have the same print size. However, each image has a different resolution so each file size and print quality is different.

The first screenshot shows the original image with a resolution of 144 pixels/inch and a print size of 2.5 inches wide by 2 inches high. The second screenshot shows the image resampled to 360 pixels wide and 288 pixels high, maintaining a resolution of 144 pixels/inch and a print size of 2.5 inches wide by 2 inches high. The third screenshot shows the image resampled to 180 pixels wide and 144 pixels high, maintaining a resolution of 72 pixels/inch and a print size of 2.5 inches wide by 2 inches high.