JPEG

BMP

PNG

GIF

IMAGE FORMATS & WHEN TO USE THEM

Not all image formats are created equal. All have different uses and different attributes. Know exactly what image format to use for web use, print, social platforms, logos and much more with this handy cheat sheet.

JPG files, also known as JPEG files, are a common file format for digital photos and other digital graphics. When JPG files are saved, they use "lossy" compression, meaning image quality is lost as file size decreases



Released in 24-bit color with up to 16 MILLION COLORS

"Joint Photographic Experts Group"

JPEG has a very complex compression algorithm.

1 (los +3 A+3)

It allows image details to be "Forgotten" and the filled when displayed on screen.

Lossy Compression"

Mozilla created their own version of the jpeg called "Mozjpeg" which reduces file sizes by

Black and white images. Images with complex coloring

JPEG is the standard format for most digital

Great for making smaller file sizes

Great for images with more than 256 colors

Compatible across MAC & PC as well as other mobile devices,

web browsers and image editors.

JPEG Browser Compatibility (without use of a plugin) 38.0 43.0

Best Uses

Still life imagary Real life photographs Portable Network Graphics (PNG / pɪŋ/) is a raster graphics file format that supports lossless data compression. PNG was created as an improved, non-patented replacement for Graphics Interchange Format (GIF), and is the most used lossless image compression format on the later.

PNG-24

24-bit cold

Created in

.PNG 'Portable Network Graphics"

G-8

GIF

256 colors and 1-bit transparency PNG-8 files are even smaller than GIF files

JPEG

Alpha Channels

There is two types of PNG image format.

Best Uses



File extension: .GIF

"Graphics Interchange Format"

256 COLORS



MIMATION

GIF was designed by CompuScin the early days of computer 8-bit video, before JPG, for video display at dial up modem speeds.

CompuServe

Complex images like real-life photographs if file size is not an issue.

GIFs image format uses





Tagged Image Format File"

Best Uses

Created by Aldus Corp in

TIFF Compression Types

.TIF format was created by Aldus Corporation in 1986. In 2009 the patent was acquired by Adobe Systems.



.BMP

"BMP" "Bitmap Picture"

Best Uses

If you need to preserve layers, and alpha transparency. IMAGE FORMAT COMPARRISON CHART TIF PNG JPG GIF вмр

> X X X X X X X Web



Uses



Created in..



JPEG

INFOGRAPHIC BY

Lossy compression Lossless compression Grayscale 8 bit color (24 bit data) 16 bit color option CMYK or LAB color Indexed color option **Animation option**

Print or Web

make a

Both Print WHAT IMAGE FORMAT TO USE? There is no universal image format that is best for all scenarios. Every type of image format has their own advantages and disadvantages. Here's a summary of each formats best uses.

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