Image Formats

JPG (.jpg, .jpeg, .jpe .jif, .jfif, .jfi)

- 24-bit, high-quality raster images.
- Best used for photo-realistic picture quality and complex images full of vivid colors

PNG (.png)

- 8-, 24- or 48-bit raster images.

- 24- and 48-bit PNGs are referred to as "truecolor," meaning they can contain over 16 million colors.

GIF (.gif)

- 8-bit image files that can only contain up to 256 colors. Like PNGs, GIFs also support transparency rendering.

- Because the GIF file format can't contain many colors, it's best used when creating simple images and logos.

WEBP (.webp)

- Developed by Google in an attempt to combine the best qualities of JPGs and PNGs: quality and compression.

- WEBP image files can utilize either lossy or lossless compression.

JPEG: 65.2 Kbytes

WebP: 11.6 Kbytes

TIFF (.tiff, .tif)

- It is a raster image format that is mostly used in publishing.

- quite large but are lossless

- Can used with a program like Photoshop, they can store tags, layers, and transparency

PSD (.psd)

- PSD files are Adobe Photoshop files and contain features that work specifically with Photoshop.

- Limitation : anyone wanting to open the file will need to have Photoshop.

BMP (.bmp, .dib)

- Raster image format popular on Microsoft Windows systems.

- they can be easily opened in most image editing programs and browsers.

Extension	Header (Hex)	Footer (Hex)
DOC	D0 CF 11 E0 A1 B1 1A E1	57 6F 72 64 2E 44 6F 63 75 6D 65 6E 74 2E
ZIP	50 4B 03 04 14	50 4B 05 06 00
JPG	FF D8 FF E0 00 10 4A 46 49 46 00 01 01	D9 ("Better To Use File size Check")
GIF	47 49 46 38 39 61 4E 01 53 00 C4	21 00 00 3B 00
PDF	25 50 44 46 2D 31 2E	25 25 45 4F 46

Thank You..!!