

# FILE FORMATS

Learn the differences between commonly used Photoshop image file formats!

## Main file format attributes:

	PSD	PSB	TIFF	JPEG	PNG	GIF	PDF	EPS	BMP	WBMP
<i>Layers</i>	Yes	Yes	Yes	No	No	No	Yes	No	No	No
<i>Alpha channels</i>	Yes	Yes	Yes	No	No	No	Yes	No	Yes	No
<i>Spot channels</i>	Yes	Yes	Yes	No	No	No	Yes	No	No	No
<i>Clipping paths</i>	Yes	Yes	Yes	No	No	No	Yes	Yes	Mac only	No
<i>Transparency</i>	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No
<i>Color profile</i>	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	No
<i>Dither</i>	No	No	No	No	Yes	Yes	No	No	No	Yes
<i>Embedded XMP metadata</i>	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	No
<i>Control Compression</i>	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No

## Options specific to file formats:

### PSB - Large Document Format

- max number of pixels is 300.000 by 300.000
- Photoshop CS and later can open it

### JPEG - Joint Photographic Experts Group

- Progressive - enables low quality quick preview in the browser and image is downloaded in multiple passes
- Save for Web > Blur can reduce the file size
- lossy compression (quality setting on a scale of 13, 0 to 12, with 12 being the highest quality and biggest file size)

### PDF - Portable Document Format

- can be secured to view but not print and/or copying content
- text layers are maintained provided Preserve Editing Capabilities is selected

### PNG - Portable Network Graphics

- PNG-8 supports dither, PNG-24 does not
- Interlace - file size is increased and image is downloaded in multiple passes

### EPS - Encapsulated Post-Script

- when opened in Photoshop the vector data is rasterized
- encoding options are ASCII, Binary and JPEG
- DCS 2.0 is a version of EPS

### TIFF - Tagged Image File Format

- three compression methods (LZW, Zip and JPEG)
- maximum image size is 4 GB
- can save high dynamic range images (HDR) as 32-bits per channel files