**Image Types**

Files extensions are usually noted in parentheses if they differ from the format name or abbreviation, using the basic Latin alphabet (A–Z) and a three character extension.

Trivia: The number of combinations amounts to 17,576. If other acceptable characters are included, the maximum number of combinations is 195,112.

History: Unix-like systems don't have extensions, and Microsoft Windows NT, 95, 98, and Me don't have a three character limit on extensions for 32-bit or 64-bit applications on file systems other than pre-Windows 95/Windows NT 3.5 versions of the FAT file system, so some file system types are given extensions longer than three characters.

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| **3D Image Files Types and Formats** | | |
| **Extension** | **Type** | **Web-Friendly** |
| **.3dm** | Rhino 3D Model |  |
| **.max** | 3ds Max Scene File |  |

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| **Raster Image Files Types and Formats** | |  |
| **Extension** | **Type** | **Web-Friendly** |
| **.bmp** | Bitmap Image File |  |
| **.gif** | Graphical Interchange Format File |  |
| **.jpg** | JPEG Image File |  |
| **.png** | Portable Network Graphic |  |
| **.psd** | Adobe Photoshop Document |  |
| **.pspimage** | PaintShop Pro Image |  |
| **.thm** | Thumbnail Image File |  |
| **.tif** | Tagged Image File |  |
| **.yuv** | YUV Encoded Image File |  |

**.psp** Paint Shop Pro image file.

**.GIF** (Graphic Interchange Format) files use a maximum of 256 colors, and are best for displaying noncontinuous-tone images or those with large areas of flat colors, such as navigation bars, buttons, icons, logos, or other images with uniform colors and tones.

**.JPEG** (Joint Photographic Experts Group) file format is the superior format for photographic or continuous-tone images, because JPEG files can contain millions of colors. As the quality of a JPEG file increases, so does the file size and the file download time. You can often strike a good balance between the quality of the image and the file size by compressing a JPEG file.

**.PNG** (Portable Network Group) file format is a patent-free replacement for GIFs that includes support for indexed-color, grayscale, and true-color images, and alpha channel support for transparency. PNG is the native file format of Macromedia Fireworks MX. PNG files retain all the original layer, vector, color, and effects information (such as drop shadows), and all elements are fully editable at all times. Files must have the .png file extension to be recognized as PNG files by Macromedia Dreamweaver MX.

**.psd** Native bitmap file format of the Adobe Photoshop graphical editing application.

**.TIF, .TIFF** Tagged Image File Format. Used to exchange documets between different applications and platforms. ....