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|  | **Bitmap graphics** | **Vector graphics** |
| What are they made up of? | pixels | curved points and lines |
| What can be edited? | each individual pixel | any text or other elements within the graphic |
| What is the file size? | BMP files are bigger but generally won't exceed 4GB in size | files are often much smaller than their raster counterparts |
| What happens when they are resized? | lose quality | you can resize them without quality loss |
| How real do they look? | high image quality | Vector images look more like drawings or illustrations than pixel images, which can look photo-realistic |
| Native formats that the software can read | BMP | svg |
| Common file formats | Bmp, xpm, jpg,png | EPS, SVG |

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|  | jpeg | tiff | gif | png | bmp | svg | AI |
| What do the initials stand for | Joint Photographic Experts Group | Tag Image File Format | Graphics Interchange Format | Portable Network Graphic | Bitmap Image | Scalable Vector Graphics | Adobe illustrator |
| What type of image are they | a data format for compressed photos bitmap | raster image format (or bitmap format) | bitmap image format | raster image file | uncompressed raster file | a web-friendly vector file format | vector images |