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|  | JOINT PHOTOGRAPHIC EXPERTS GROUP  (JPEG) | PORTABLE NETWORK GRAPHIC FORMAT (PNG) | GRAPHIC INTERCHANGE FORMATS (GIF) | BITMAP (BMP) |
| COMPRESSION | **Great compression** | **Possess lossless format but a larger size of image** | **Force all of the colours on an image in order to reduce image size** | **Uncompressed (large and lossless)** |
| ANIMATION | **Doesn’t support animation but Motion JPEG format exist which they support both animation and sound** | **Doesn’t support animation except for some purpose like medical imaging and geographical image** | **Support animation really well** | **-Doesn’t support animation** |
| ADVANTAGES | **Display photo-realistic images** | **- Better compression**  **- Supports millions of colours** | **Widely supported-format for animated images** | **-Images are crisp and precise**  **-Simple structures**  **-Wide acceptance in Windows programs** |
| DRAWBACKS | **-The decompression of image isn’t quite identical to original image**  **-JPEG format isn’t widely used on Web** | **-Difficult to share to Web and with friends as it has large size**  **-Limited support for animation** | **-Has noticeable colouring issues** | **-Don’t scale images well**  **-Image cannot be transferred on the internet** |
| SIZE | **Smaller compared to other formats** | **Richer images lead to larger file size** | **Size can be reduced** | **Large size** |
| EXAMPLES | **-Rich colour photographs**  **-Gradient images**  **-Web images** | **- Screenshort (no gradients in original source)**  **- Images that need transparency** | **-Logo**  **-Banners**  **-Cliparts** | **-Can be graphic adapter especially in Windows programs** |

**THE DIFFERENCES BETWEEN JPEG, PGF, GIF & BMP**