Color Image Formats

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| --- | --- |
| Image Collection | Image Generation |
| Lots of Colors | Limited Colors |
| No Alpha Channel | Alpha - Composed |
| No Animation | Animation |
| Low Frequencies | High Frequencies |
|  |  |
|  |  |
| JPEG | GIF -> PNG |

JPEG:

Lossy – Lost Accuracy, Flexible compression, like MP3 where it tries to remove data where you won’t see it.

No Transparency

GIF/GIF - Lossless

Transparency

Indexed Palette, 256 colors max, animation

PNG –

Dropped Animation

Added 2^24 Color depth + full alpha channel

Lossless

Assumptions:

Higher Frequencies, Fewer Colors