

CGA 115

Understanding File Formats

File Formats

- There are many different file formats that a file can be saved
- You need to understand what the formats are...
- AND
- When you use each format

Application File Formats

- RIF - Raster Image File Format - Painter
- PSD - Adobe PhotoShop Document
- AI - Adobe Illustrator
- PNG - Adobe FireWorks
- FLA - Adobe Flash
- ID - Adobe Indesign

Application File Formats

- AF - Adobe After Effects
- MOV - Quicktime Movie
- QT - Quicktime File

Internet File Formats

- JPEG
- GIF
- PNG

Graphic File Formats - Internet

- JPEG/JPG - Joint Photographic Expert Group - a file format used to compress Photographs - 16 Million colors
 - Compresses the image using a lossy file compression
 - Lossy mean that the smaller the File size the poor quality the image will be

Graphic File Formats - Internet

- GIF - Graphic Interchange Format
- Limited to 8 bit or 256 colors
- Compression - is lossless - small file size without losing quality of the image - will reduce the number of colors

Graphic File Formats - Internet

- PNG - Portable Network Graphics
- lossless data compression - small file size and good quality image
- 16 million colors or 24 bit

Graphic File Formats - Print

- TIFF
- EPS
- JPEG

Graphic File Formats - Print

- TIFF - Tagged Image File Format
- Images are placed into Publishing programs like InDesign or Quark

Graphic File Formats - Print

- EPS - Encapsulated Postscript
- Images are placed into Publishing programs like InDesign or Quark


Graphic File Formats

- Raw Image Format - from digital cameras
- Provides the most detailed and concise data of the image

File Format Compression


- Lossy - decompressing that data that may be different from the original file. Suffers from generation loss
- Lossless - that allows the exact original data to be reconstructed from the compressed data

File Format Compression




High JPEG - 288 K

File Format Compression



Medium JPEG - 140 K

File Format Compression



Low JPEG - 112 K

Questions

on File Formats
or
Anything else?