IMAGES
Photoshop
1987

Created by Thomas Knoll, then a PhD student at the University of Michigan

Originally called “Display”

For displaying grayscale images, scanned into a computer

Acquired by Adobe in 1988

Released as Photoshop 1.0 for Macintosh in 1990
Technological Basis

Bitmap/raster graphics

A grid of picture elements, “pixels,” each of which contain color and brightness information. Pixels can be changed individually or as a group with program algorithms. Contrast vector graphics which describe lines. Layer support introduced in version 3 (c. 1993).
File Types

Bitmap/raster graphics

**JPEG or JPG**
Joint Photographic Experts Group
Lossy compression - data discarding compression

**GIF**
Graphics Interchange Format
Lossless compression: Up to 256 Colors
Supports animation- ideal for simple graphics

**PNG**
Portable Network Graphics
Lossless compression
Ideal for photographic transparency