Raster Graphics

Also known as “bitmap” 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 points and lines
Raster Graphics

Web Formats

JPEG
“Joint Photographic Experts Group”

PNG
“Portable Network Graphics”

GIF
“Graphic Interchange Format”

WebP
Up-and-coming image format but not well supported yet
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Web Images
Raster Graphics
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

Layer support introduced in version 3 (c. 1993)
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Web Images
Raster Graphics

Font: New York
Size: 14 point
Leading:
Spacing:
Style:
• Bold
• Italic
• Underline
• Outline
• Shadow
• Anti-aliased
Alignment:
• Left
• Center
• Right

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