**Tagged Image File Format**, abbreviated **TIFF** or **TIF**, is a [computer file format](https://en.wikipedia.org/wiki/Computer_file_format) for storing [raster graphics](https://en.wikipedia.org/wiki/Raster_graphics) images, popular among graphic artists, the publishing industry,[[1]](https://en.wikipedia.org/wiki/TIFF#cite_note-sgi-1)and photographers. The TIFF format is widely supported by image-manipulation applications, by publishing and page layout applications, and by [scanning](https://en.wikipedia.org/wiki/Image_scanner), [faxing](https://en.wikipedia.org/wiki/FAX), [word processing](https://en.wikipedia.org/wiki/Word_processor), [optical character recognition](https://en.wikipedia.org/wiki/Optical_character_recognition) and other applications.[[2]](https://en.wikipedia.org/wiki/TIFF#cite_note-2)

The format was created by [Aldus Corporation](https://en.wikipedia.org/wiki/Aldus) for use in[desktop publishing](https://en.wikipedia.org/wiki/Desktop_publishing). It published the latest version 6.0 in 1992, subsequently updated with an [Adobe Systems](https://en.wikipedia.org/wiki/Adobe_Systems) ©t after the latter acquired Aldus in 1994. Several Aldus/Adobe technical notes have been published with minor extensions to the format, and several specifications have been based on TIFF 6.0, including [TIFF/EP](https://en.wikipedia.org/wiki/Tag_Image_File_Format_/_Electronic_Photography) (ISO 12234-2), TIFF/IT (ISO 12639),[[3]](https://en.wikipedia.org/wiki/TIFF#cite_note-TIFF.2FIT-3)[[4]](https://en.wikipedia.org/wiki/TIFF#cite_note-TIFF.2FIT2-4)[[5]](https://en.wikipedia.org/wiki/TIFF#cite_note-prepressure-tiffit-5)TIFF-F ([RFC 2306](https://tools.ietf.org/html/rfc2306)) and TIFF-FX ([RFC 3949](https://tools.ietf.org/html/rfc3949)).[[6]](https://en.wikipedia.org/wiki/TIFF#cite_note-6)

**JPEG** ([/ˈdʒeɪpɛɡ/](https://en.wikipedia.org/wiki/Help:IPA_for_English) [***jay****-peg*](https://en.wikipedia.org/wiki/Help:Pronunciation_respelling_key))[[1]](https://en.wikipedia.org/wiki/JPEG#cite_note-1) is a commonly used method of [lossy compression](https://en.wikipedia.org/wiki/Lossy_compression" \o "Lossy compression) for [digital images](https://en.wikipedia.org/wiki/Digital_image), particularly for those images produced by [digital photography](https://en.wikipedia.org/wiki/Digital_photography). The degree of compression can be adjusted, allowing a selectable tradeoff between storage size and [image quality](https://en.wikipedia.org/wiki/Image_quality). JPEG typically achieves 10:1 compression with little perceptible loss in image quality.[[2]](https://en.wikipedia.org/wiki/JPEG#cite_note-2)

JPEG compression is used in a number of [image file formats](https://en.wikipedia.org/wiki/Image_file_formats). JPEG/[Exif](https://en.wikipedia.org/wiki/Exif" \o "Exif) is the most common image format used by [digital cameras](https://en.wikipedia.org/wiki/Digital_camera) and other photographic [image capture devices](https://en.wikipedia.org/w/index.php?title=Image_capture_device&action=edit&redlink=1); along with JPEG/[JFIF](https://en.wikipedia.org/wiki/JFIF), it is the most common format for storing and transmitting photographic images on the [World Wide Web](https://en.wikipedia.org/wiki/World_Wide_Web).[[3]](https://en.wikipedia.org/wiki/JPEG#cite_note-3) These format variations are often not distinguished, and are simply called JPEG.

The term "JPEG" is an acronym for the [Joint Photographic Experts Group](https://en.wikipedia.org/wiki/Joint_Photographic_Experts_Group), which created the standard. The [MIME media type](https://en.wikipedia.org/wiki/Internet_media_type) for JPEG is *image/jpeg*, except in older [Internet Explorer](https://en.wikipedia.org/wiki/Internet_Explorer) versions, which provides a MIME type of *image/pjpeg* when uploading JPEG images.[[4]](https://en.wikipedia.org/wiki/JPEG#cite_note-4) JPEG files usually have a [filename extension](https://en.wikipedia.org/wiki/Filename_extension) of *.jpg* or *.jpeg*.

JPEG/JFIF supports a maximum image size of 65,535×65,535 pixels,[[5]](https://en.wikipedia.org/wiki/JPEG#cite_note-5) hence up to 4 gigapixels for an[aspect ratio](https://en.wikipedia.org/wiki/Aspect_ratio) of 1:1.