

What is the difference

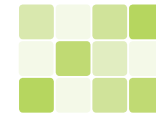
raster & vector

The difference between vector and raster graphics is that **raster** graphics are composed of pixels, while **vector** graphics are composed of paths.

A **raster** graphic, such as a gif or jpeg, is an array of pixels of various colours, which together form an image.

A **vector** graphic, such as an .eps file or Adobe Illustrator file, is composed of paths, or lines, that are either straight or curved.

Image file types



Raster images

Raster (pixel-based) images can only be used size as or reduced. They are primarily files for viewing on electronic screens like monitors and TVs. Difficult to edit, if it's even possible at all.



Web & print photos and quick previews



Animation & transparency in limited colours



Transparency with millions of colours



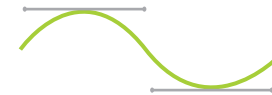
High quality print graphics and scans



Unprocessed data from digital cameras



Layered Adobe Photoshop design files



Vector images

Vector images can be reduced in size and enlarged. They are primarily files for printing and to create other formats from. Can be edited by a designer without too much trouble. You can make bitmap or pixel images from a vector file, but usually not vice versa.



Print files and web based documents



Individual vector design elements



Original Adobe Illustrator design files

