

What is a vector?

Definition

Vector Graphics is the use of geometrical primitives such as points, lines curves, and shapes or polygons - all of which are based on mathematical expressions - to represent images in computer graphics. The simpler definition are image files that you can scale and manipulate without distorting the resolution of the image.

Common Vector Graphic Formats

- Ai
- PDF
- EPS
- SVG

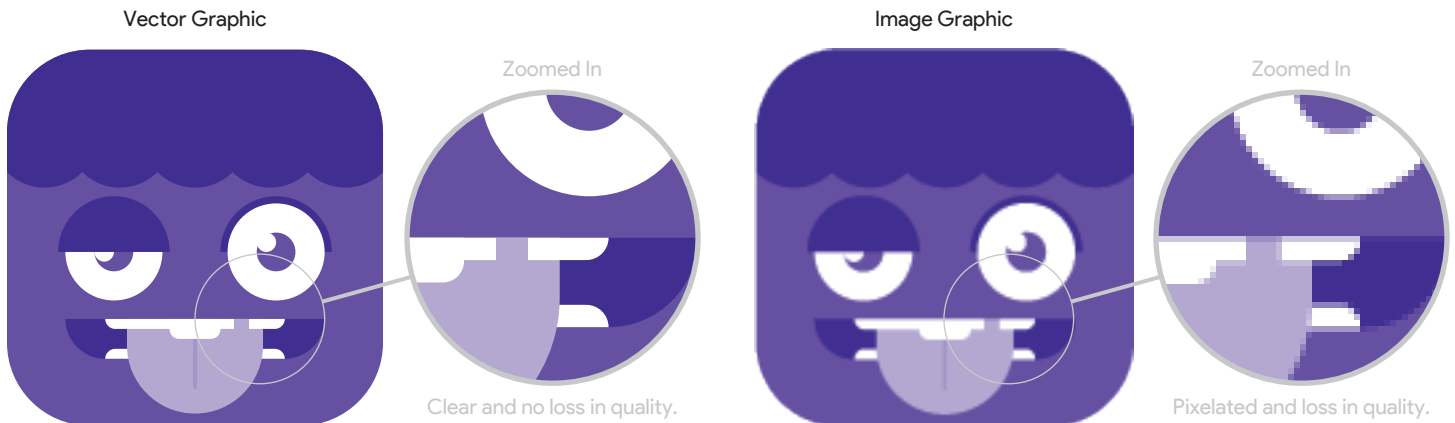
PDF Formats

There are usually two types of PDF files. First is a Vector PDF that can be opened and edited using graphic design software like Adobe Illustrator. Second is a Non-Editable PDF, which means it can not be manipulated. In most cases with a Non-Editable PDF they are flattened image files, which may contain JPGs.

Image Files (Not Vector)

Image files are usually formatted as PSD, TIFF, PNG, or JPG. These file types can not be manipulated like a vector file. Meaning that the image is constricted and can lose resolution and quality, when manipulated. Creating an image file into a vector can take some time depending on the detail of the image. It's much easier and faster to attempt to obtain the vector file from the original designer to help avoid errors in color or accuracy.

Example



Format Definitions

- **Ai** - Adobe Illustrator
- **PDF** - Portable Document File
- **EPS** - Encapsulated PostScript
- **SVG** - Scalable Vector Graphics
- **PSD** - Adobe Photoshop Document
- **TIFF** - Tagged Image File Format
- **PNG** - Portable Network Graphic
- **JPG or JPEG** - Joint Photographic Expert Group