

Types of Graphic Files

There are two types of graphic files:

1. bitmap graphics (also called Raster graphics)
2. vector graphics

Each has different uses

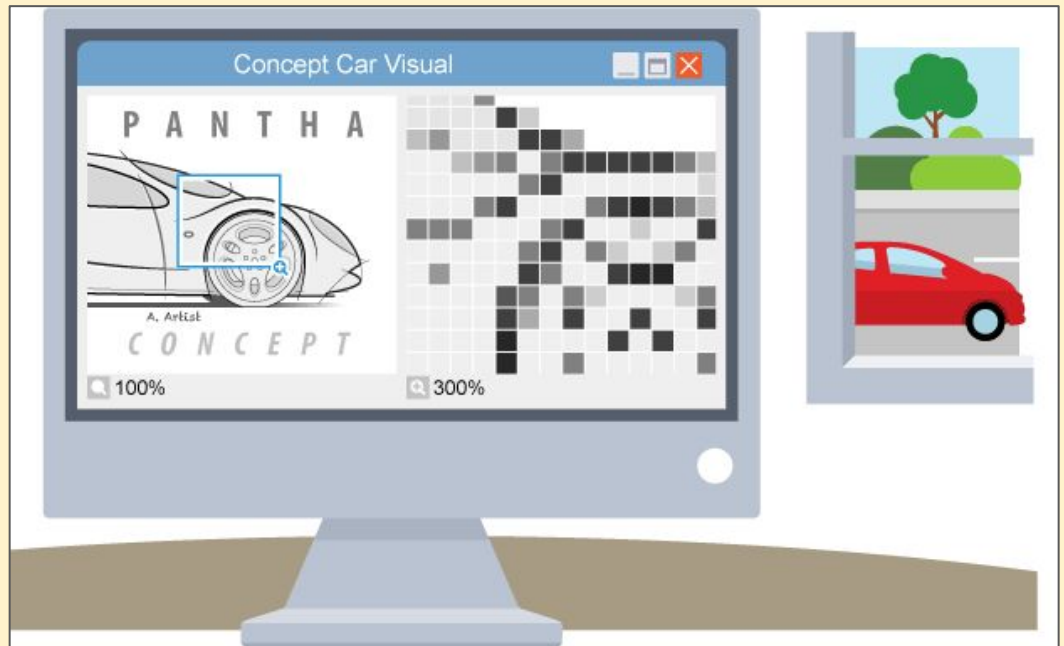
Types of Graphic Files

Most image files are **Bitmap images**

They are made up of **pixels**. Each image has a set number of pixels

These include:

- **JPG** images
- **GIF** images
- **PNG** images



Types of Graphic Files

Bitmap images
are fine for most
things

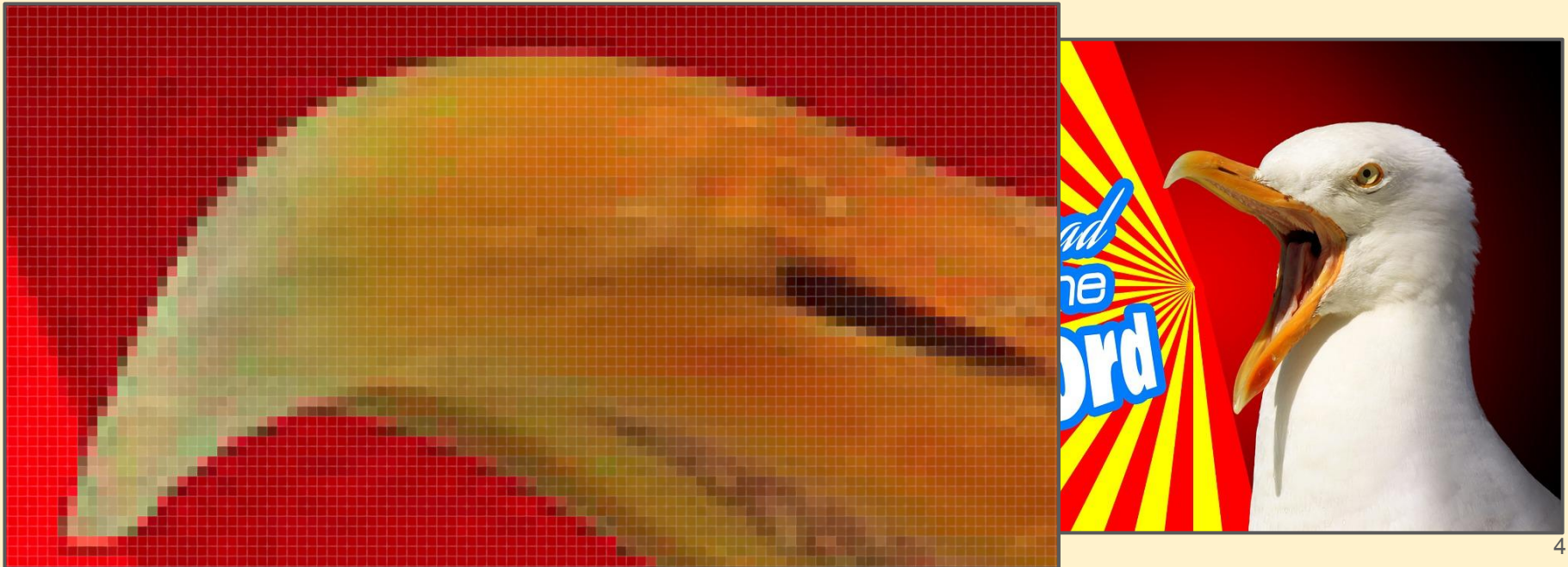
The problem
comes when you
make them too
big



Types of Graphic Files

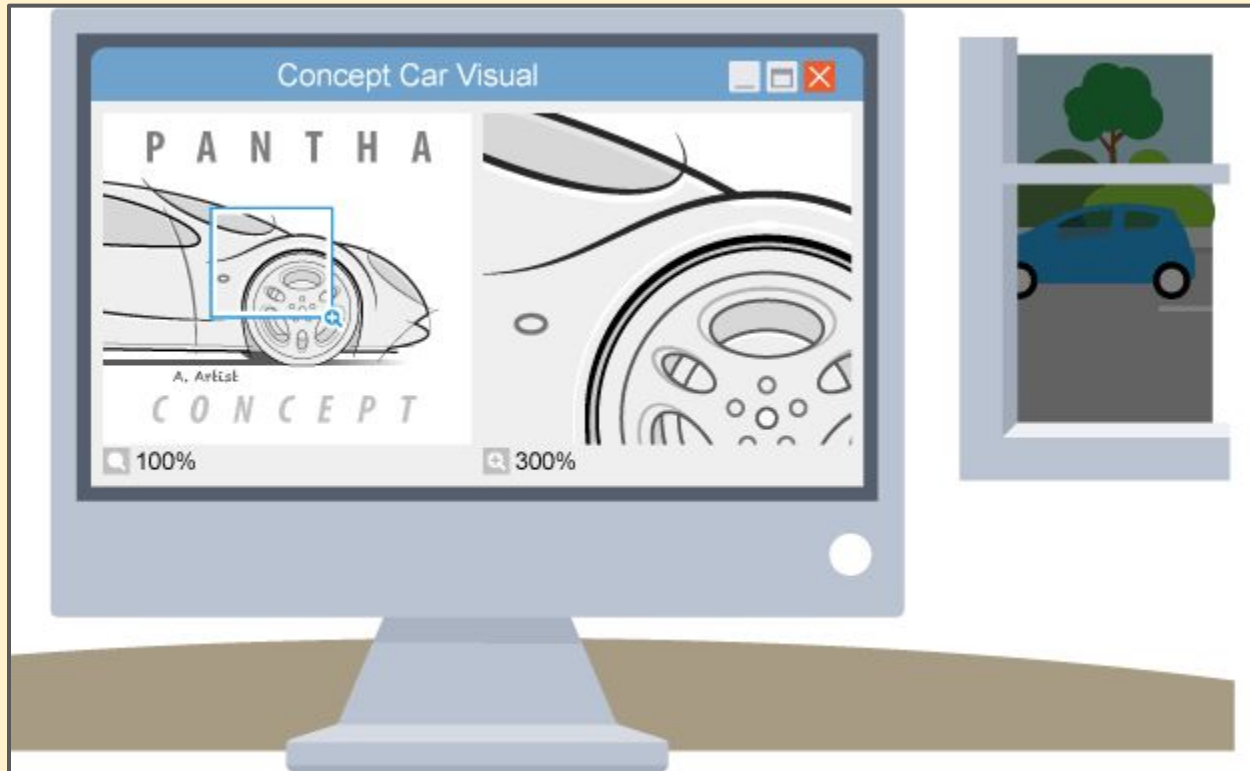
Bitmap images will **pixelate** if you make them a lot bigger

This makes them blurry and not fit to be used



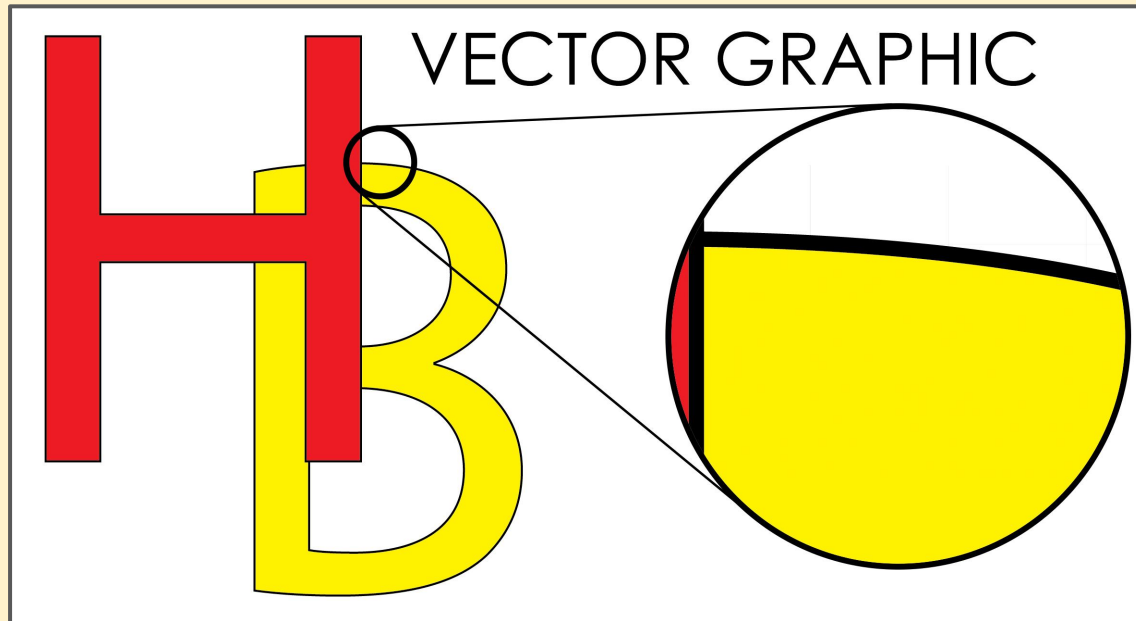
Types of Graphic Files

Vector images are made up of shapes and lines defined by coordinates



Types of Graphic Files

Because they are made up of mathematical values rather than pixels, vector graphics can be resized as big or as small as needed



Types of Graphic Files

Because they are made up of mathematical values rather than pixels, vector graphics can be resized as big or as small as needed

We say that they are **scalable** or **rescalable**



Types of Graphic Files

VECTOR	BITMAP
Made up of shapes and lines	Made up of pixels
Scalable	Lose quality when scaled
Can be converted to bitmap	Can't be converted to vector
SVG, AI	JPG, PNG, GIF, PSD, TIFF