

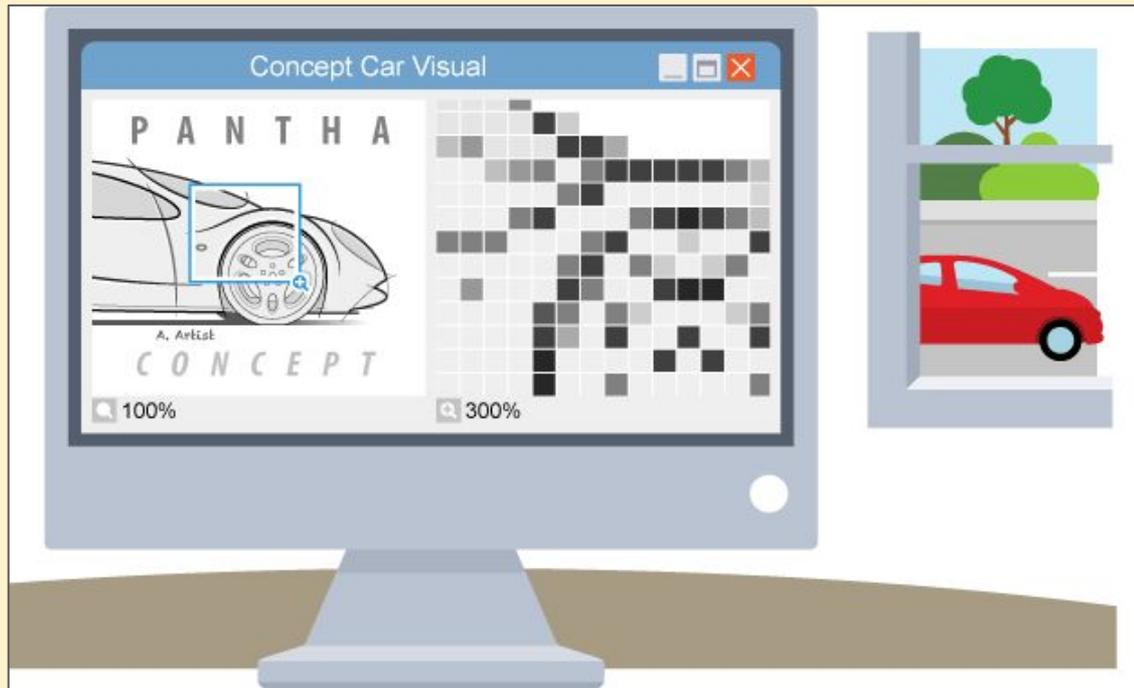
# Bitmap Images

Most image files are **Bitmap images**.

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

These include:

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



# Bitmap Images

**JPG images** are standard photographs. They make up most of the images you'll use this term.

- JPG stands for **J**oint **P**hotographic Expert **G**roup
- it's a set of rules about how photographic images will be used on computers
- most of the images you take using your phone will be JPGs
- can have up to 16.7 million different colours

# Bitmap Images

**PNG images** can use transparency so they are useful for websites or other on screen products.

- **PNG** stands for **P**ortable **N**etwork **G**raphic
- they **can** use transparency, but don't have to
- usually the background is made transparent, but any part can be
- good for logos
- but take up more storage space than JPGs
- screenshots are often saved as PNGs

# Bitmap Images

**GIF images** can be animated to make short, simple, looping animations.

- **GIF** stands for **G**raphics **I**nterchange **F**ormat
- they **don't** have to be animated
- they **can** use transparency
- GIFs use **fewer colours** than JPGs, so the quality of the actual image isn't as good

# Bitmap Images

What **format** of bitmap is each image?



The middle image moves - look at the board to see this properly