

# Image investigation

Download an interesting image of the a shark

- make sure it is a large image
- make sure that you will be able to remove the background
- suggestion: use **Unsplash** – this provides high quality, copyright free images

# Image investigation

Open the image in Photoshop

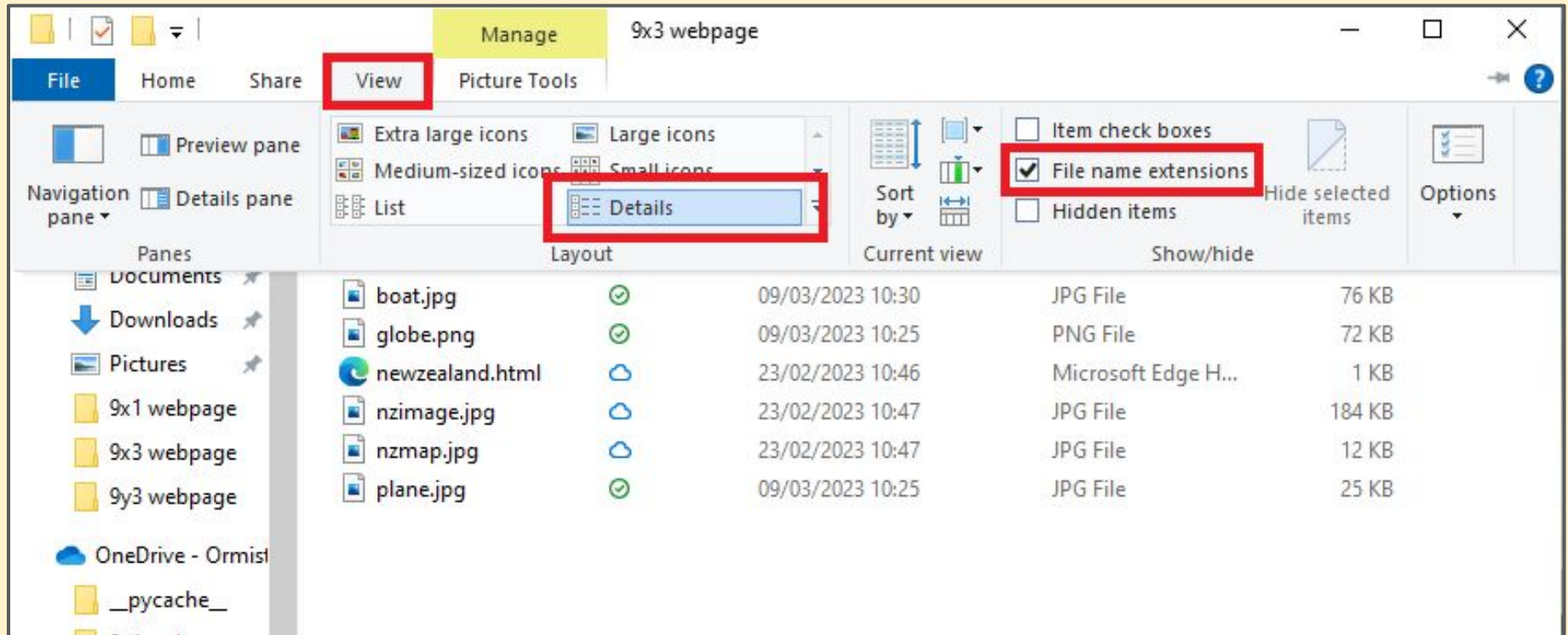
Click **Image > Image size** and record:

- the pixel dimensions (width and height in mm)
- the image resolution (in pixels per inch)

Use **File Explorer** to find:

- the file format (see next slide for help with this)
- the file size

# Windows Explorer Hacks



1. View > **Details**
2. View > **File name extensions**

Make sure all of your files are saved in the same folder

# Image investigation

- Export the image as a **PNG** (File > Export > choose PNG at the top right)
- Export the image as a **GIF** (File > Export...)
- Open the **PNG version** of the image
  - compare it to the JPG version – is there a difference in quality?
  - record the same details – size, resolution, file size, file type
- Open the **GIF version** and do the same thing

# Image investigation

## Take the **PNG** file

- save it with a new name as a PNG file type
- make the background transparent – use the Quick Selection Tool (don't forget to unlock the layer)
- record the same details – is there any difference in file size?

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Take the original **JPG file** and:

- save it as a **Photoshop file** (File > Save as > choose Photoshop (PSD) from the drop down)
- save it as a **TIFF file** (File > Save as > choose TIFF)

Close everything and then open the PSD and TIFF files. Get the same details as before

# Image investigation

Take the Photoshop file

- remove the background (use the Quick Selection Tool again)
- save the file with a new name – still as a PSD file
- open the PNG file with the transparent background and compare the quality of the two images
- recheck the details for the PSD file

# Image investigation

Which is the best file type to use?

- hint: it depends

What are the pros and cons of each file type?