COMP 1017

Images for the Web

hardwired to value images.

Our little monkey brains are

learn from, and respond emotionally

People notice, remember,

to visuals.

On average, we retain only 10% of the information that we hear, three days after hearing it.

Adding a picture can boost our recollection to 65%.

This is why two-thirds of all people claim that they are visual learners.

It's also why we are much more likely to think favourably of adverts that emphasise photography over adverts that emphasis text.

them.

So, let's talk a bit about images and

how we, as web designers, can use

Colour Space

Now with added 'u'!

Pop quiz: what are the three primary colours?

In primary school, you may have learned that they were red, yellow, and blue.

However, these are the primary colours of pigment (i.e. paints and inks).

The primary colours of light are red, green, and blue.

Because screens use light to convey colour, we will be using an RGB colour space to create images intended for the web.

Trade Offs

"Trade-offs have been with us ever since the late unpleasantness in the Garden of Eden."

- Thomas Sowell

When we are creating a website, one of the key things that we have to keep in mind is UX, or what our user's experience might be.

One of the major factors in good UX are load speeds.

We want our pages to load as quickly as possible — and to use as little bandwidth / data as possible while doing it.

Therefore, we want all of our resources (like images) to have the smallest file size possible.

garbage.

However, if we compress our images

too much, our user will get pixelated

images for the web is all about trade offs.

And there's the rub: optimising

.JPG / .JPEG

.JPEG is an initialism/acronym for

Joint Photographic Experts Group.

That's really just for trivia nights.

... you can forget that now.

about this file type?

So, what do we *really* need to know

Every time you save a .JPG, it gets compressed.

Compression is a way of removing data so that the resulting file size is smaller.

In Photoshop, we can actually control

the amount of compression that the

export process uses.

However, when taken too far, we get

things like deep fried memes.

rendered as a rectangle.

however, they will always be

.JPGs are great for most photos;

They also do not support

transparency or animation.

.PNG

Now with 100% more portability!

Portable Network Graphics (PNGs)

have less compression than JPGs.

quality, but also larger file sizes.

This means that they can be higher

.PNGs can also have transparency.

This comes in handy for things like

might want to render as an ellipse.

icons, avatars, or something that you

.GIF

The pronunciation of this file type is a hill I will gladly die on.

OII LITE WED.

is one of the most ubiquitous formats on the web.

The Graphic Interchange Format (.GIF)

animation.

This file format supports multiple

frames — that is to say, it supports

on a loop.

Animated .GIFs can be played once, or

colours).

However, it only supports 8-bit

images (i.e. a palette of 256 or fewer

logos, text, or simple cartoons.

It also allows for one transparent

colour. This is great for things like

References

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