

Class 6: Images and Colour

The RGB colour space
Using Hex values in CSS
RGB and HSL syntax
Working with colour opacity
Raster file formats: JPEG, GIF, PNG (8 bit and 24 bit), and WebP
Image compression
Animated GIFs
Alpha transparency
Resizing and saving image files (image optimisation)
SVG images
Image positioning in relation to text (floats with CSS)
Background images (position and repetition with CSS)
Background gradients

References

Learning Web Design by Jennifer Robbins (5th Edition)
Head First HTML and CSS by Elizabeth Robson & Eric Freeman
HTML & CSS by Jon Duckett
Designing for the Web by Mark Boulton
<https://developer.mozilla.org/en-US/docs/Web/CSS/color>
<https://www.youtube.com/watch?v=2LLXnUdUlc> – colour theory for beginners (6 mins)
<https://www.youtube.com/watch?v=GyVMoejbGFg> – colour for UI design (24 mins)
<https://www.shutterstock.com/blog/color-palettes-for-websites> - ideas and inspiration
[Color wheel, a color palette generator | Adobe Color](#) – a useful tool
<https://developer.mozilla.org/en-US/docs/Web/CSS/background-image>
https://www.youtube.com/watch?v=3T_Jy1CqH9k – background images tutorial by KP
<https://developer.mozilla.org/en-US/docs/Web/CSS/float>
<https://www.youtube.com/watch?v=LrdkRMZhgZg> – floats and clears tutorial by KP
<https://www.smashingmagazine.com/2009/10/the-mystery-of-css-float-property/>

Class 6 Homework

Read: Chapters 7, 13, and 15 of Learning Web Design
or Chapter 5 of Head First HTML and CSS (again!)
or Chapters 11 and 16 of HTML & CSS
Part 4 of Designing for the Web

Use the [Adobe Color](#) application to become familiar with the colour wheel, the various colour theories (complimentary, monochromatic etc.), and the colour [Accessibility Tools](#).

Your tasks this week

1. Continue the development of your Three Designed Objects website, using your new knowledge of colour and image. Think about the size of the images you are using (physical dimensions **and** file size), the composition of the images (art direction) and image positioning (in relation to text). Refine the stylesheet you developed by improving your use of colour and image properties. Make any improvements to your HTML and CSS that you think are needed. For example, if you've used classes or IDs, you should remove them. Also check that you are not using presentational markup.
2. Find 3 examples of sites with good colour schemes – in each case, explain why you think the colour works. Post your opinions on your blog with corresponding screen grabs.
3. Complete this week's [workshop challenge](#). Look at the image and try to style the HTML document so it looks similar. An example CSS file is provided for your reference.

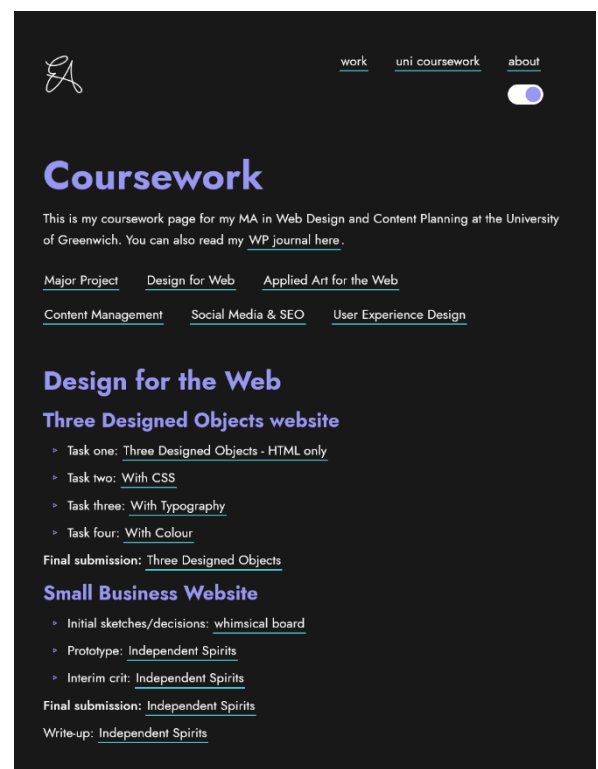
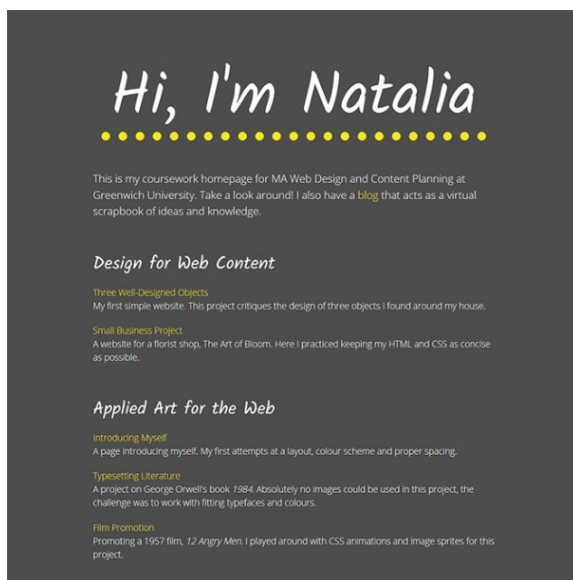
```
/*===== IMAGES =====*/
img {
  float: right;
  width: 40%;
  margin-left: 1.4em;
  margin-bottom: 1.0em;
}
```

If you haven't already done so, create a suitable design for your coursework homepage (maybe this should reflect your personality and tie in with the profile page you're creating with Prisca) and make sure there's a link to your Three Designed Objects mini-site and your blog. Ideally, use separate links to each iteration of the site so you can gauge your progress. Think about how you will structure this page/site so as to accommodate future project work and coursework (see [Folder Organisation](#) for ideas). See previous student homepages for ideas:

Here are some good examples:

<https://emmasaraha.co.uk/coursework>

<https://annaindesign.co.uk/>



Upload your improved homepage so that we can review it next week.

This may also be a good time to review your folder structure before things get too messy ;)

Course materials: [Design for Web Content](#)