

MODULE 2: HTML + CSS

Just like Batman and Robin, or Macaroni and Cheese, HTML and CSS are at their best when they work together. If HTML was compared to the frame of a house, CSS is the interior design. With CSS, we can define the style used for text fonts, colours, sizes, and more.



Let's break this down! CSS lives inside **<STYLE>** tags that go inside our **<HEAD>** tag. In this example: **<h1>** is a Heading size 1 tag, and we have defined a few things for it:

1. **FF0000** indicate we have told the font to be **red**. This is called HEX CODE, which is a way to describe millions of colours without remembering the name of every colour, like **Ultra Super-Duper Bright Green**.
2. We have also defined **<h1>** to use the font called Arial.
3. We close things up by completing both the brackets **{ }**, and finishing with a closing **</STYLE>** tag.

(CANADIAN) PRO TIP: In Canada we spell the word colour with a “u”. But in CSS coding, it’s spelled without one: “color”.

HEX COLOUR GUIDE

Hex uses 16 digits to describe a value, like:

0·1·2·3·4·5·6·7·8·9·A·B·C·D·E·F

A little... A lot!

#000000 #FFFFFF

There are three sets of numbers, each corresponding to the amount of RED, GREEN, or BLUE that should be combined to make the right color. Any color!

#12 89 EF

Learning about HEX will be important when you want to change the colour of text or background on a website. HEXADECIMAL uses 16 digits (A through F) to represent colours, and requires 3 sets of numbers. The first two numbers in the code are **Red**, the second two are **Green**, and the final set is **Blue**. This helps the computer know how much of a colour to mix together to make the colour you want. Two zeroes mean using none of that colour, while two Fs will instruct the computer to use the maximum of the colour.

You can see above that #000000 is **BLACK**. Not using any black can create **RED, GREEN, or BLUE**. #FFFFFF uses all the colours, which combines to become **WHITE**. With a bit more modification, we can mix a bit of each to make any colour we choose!

What do you think the HEX CODE for **PURPLE** would be? If you said: #FF00FF for red and blue combined, you would be correct!

WHERE CAN WE GO FROM HERE?

HTML is a very common computer programming language, but there are also many others. Java and JavaScript are incredibly popular, and so is Python. Web development continues to grow, with plenty of career opportunities available to people who can learn these languages to create websites, apps, and games. Check out a website like www.code.org to play games and build real working projects using a variety of programming languages.

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