



First Nations
Technology Council

Focus Web Developer

Week 2 – Lesson 3

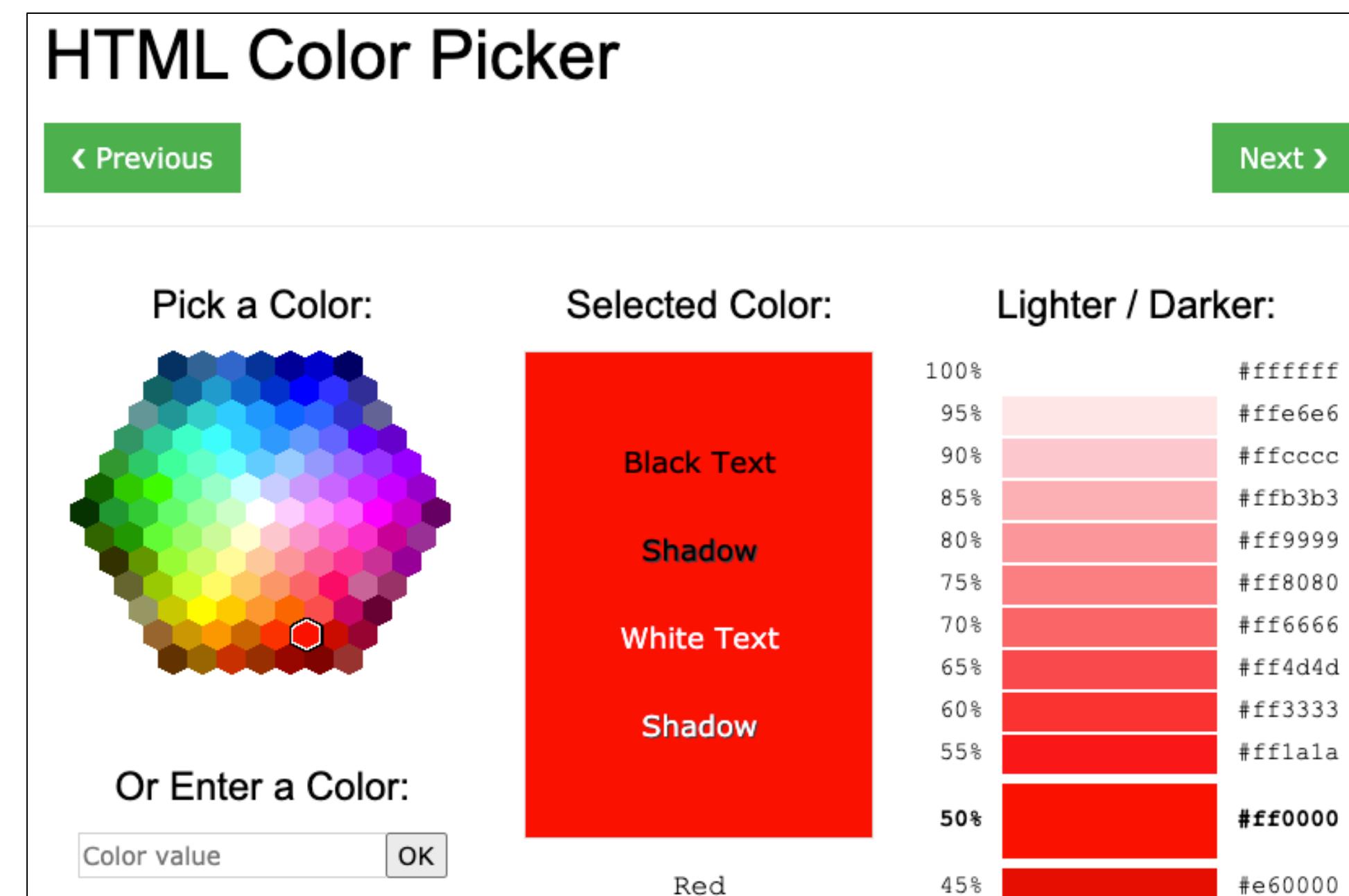
Lesson Topics

- HTML 5 & CSS3 Practice Continued



Quick tip!

- Bookmark this URL: https://www.w3schools.com/colors/colors_picker.asp
- You can get what colour you want in multiple formats!

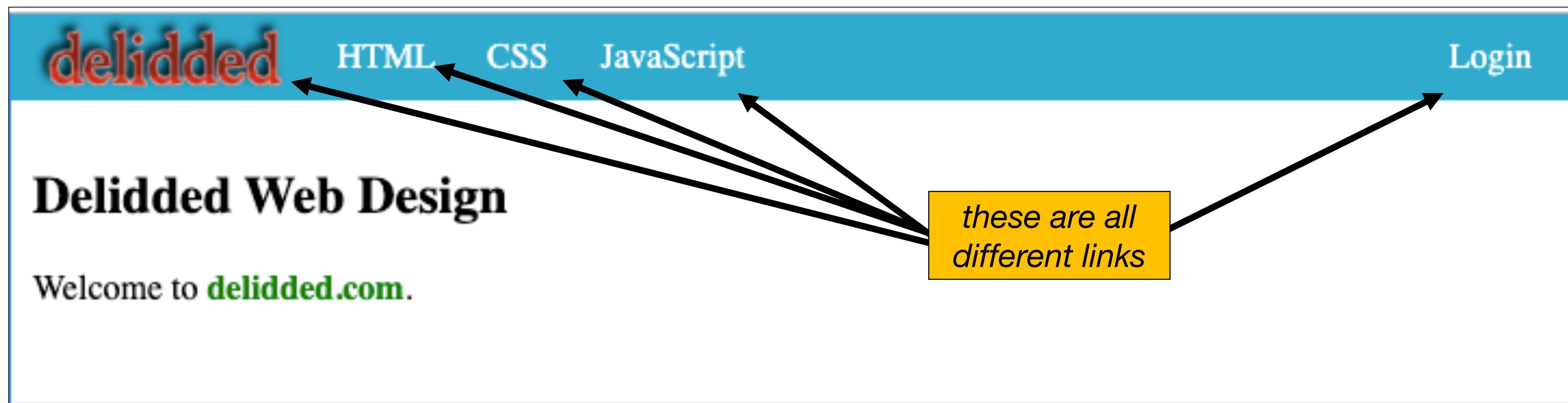


General Note

- If you don't know what a part of your code is doing, then please ASK!
- We are trying to establish a strong foundation in HTML and CSS, so please don't include code that you don't know what it's doing.
- *Eventually*, you will begin copying, pasting and citing other programmers' code, but this is under the assumption that you understand everything that is going on in the code!

Activity 1 Introduction

Create the following webpage using HTML and CSS



Activity 1 Introduction

HTML elements and attributes used (in addition to boiler plate):

Elements	Attributes
<input type="checkbox"/> <div>	<input type="checkbox"/> class
<input type="checkbox"/> <a>	<input type="checkbox"/> id
<input type="checkbox"/> 	<input type="checkbox"/> href
<input type="checkbox"/> 	<input type="checkbox"/> src
<input type="checkbox"/> 	<input type="checkbox"/> alt
<input type="checkbox"/> 	<input type="checkbox"/> height
<input type="checkbox"/> <p>	

CSS properties used:

- margin (right, left, etc) display
- background-color vertical-align
- color line-height
- height text-decoration
- border float
- padding font-weight

CSS Properties Reference

<https://www.w3schools.com/cssref/>

HTML element

New HTML elements used:

- – Defines an in-line section in a document
 - often used around text that you want to style in your CSS

HTML

```
<body>
<p>
The content of the body <span
class="example">element</span> is displayed in your
browser.
</p>
</body>
```

CSS

```
.example {
  color: red;
}
```

Web Browser

The content of the body **element** is displayed in your browser.

Inline Elements vs. Block Level Elements

History

Block Level Element (`<p>`)

Pre-modern

The study of world history, as distinct from national history, has existed in many world cultures.

However, early forms of world history were not truly global, and were limited to only the regions known by the historian.

History has sometimes been classified as part of the humanities.

Traditionally, historians have recorded events of the past

Inline Element (`<a>`)



New CSS Properties

New CSS properties used:

- [display](#) - Specifies how a certain HTML element should be displayed
- [vertical-align](#) - Sets the vertical alignment of an element
- [line-height](#) - Sets the line height
- [text-decoration](#) - Specifies the decoration added to text
- [float](#) - Specifies whether or not a box should float

CSS Properties Reference
<https://www.w3schools.com/cssref/>

Activity 1 Instructions

Requirements:

1. Use HTML and CSS to make identical format (except the colours and exact font type - do whatever you want!)
2. Save the file in your Activity 1
3. Use <title>Week 2 Day 3 Activity 1</title> in the head
4. open all links in new tabs
5. logo image src = <https://www.delidded.com/logo.png>
6. logo image link = <https://media.giphy.com/media/geYwtodB9Ail0/giphy.gif>
7. HTML link = https://www.w3schools.com/html/html_intro.asp
8. CSS link = https://www.w3schools.com/Css/css_intro.asp
9. JavaScript link = https://www.w3schools.com/js/js_intro.asp
10. Login link = <https://zapatopi.net/treeoctopus/>
11. delidded.com is **not** a link



Hints:

- use <div> to make divisions for the top bar and main part
- use classes and id's
- the top bar is a modified version of an unordered list
- use to modify the "delidded.com" text

Activity 1 Options

Some of us may be feeling overwhelmed at the thought of this project, so here are some options:

1. Try the whole thing on your own
2. First code HTML with a linked CSS file to create the webpage (shown on the next slide) and **then** make the CSS file
3. Copy the HTML code **only**, look at it in your web browser and then **you** make the CSS file to change how it looks **without changing** the HTML file
4. Your instructor will “code” the HTML file with you in real-time and then let you try the CSS on your own

Activity 1 Option 2

This is what the HTML file should look like **without** a linked CSS file.

Try to create this webpage **first**, then make your CSS file (and add things to your HTML where appropriate).

delidded

- [HTML](#)
- [CSS](#)
- [JavaScript](#)
- [Login](#)

Delidded Web Design

Welcome to delidded.com.

Activity 1 Solution (HTML)

```
index.html                                styles.css
```

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <link rel = "stylesheet" href="styles.css">
6      <title>Activity 1</title>
7  </head>
8  <body>
9      <div class="header">
10         <a id="logo" href="https://media.giphy.com/media/geYwtodB9AiI0/giphy.gif">
11             
12         </a>
13         <!-- Using ul tag to hold menu links, which makes them easier to style. -->
14         <ul id="menu">
15             <li><a href="https://www.w3schools.com/html/html_intro.asp">HTML</a></li>
16             <li><a href="https://www.w3schools.com/Css/css_intro.asp">CSS</a></li>
17             <li><a href="https://www.w3schools.com/js/js_intro.asp">JavaScript</a></li>
18         </ul>
19         <!-- 2nd menu that will be on the right side of the header -->
20         <ul id="menu-right">
21             <li><a href="https://zapatopi.net/treeoctopus/">Login</a></li>
22         </ul>
23     </div>
24
25     <div class="main">
26         <h2>Delidded Web Design</h2>
27
28         <p>Welcome to <span class="domain">delidded.com</span>.</p>
29     </div>
30     </body>
31 </html>
32
```

Activity 1 Solution (CSS)

```
1  /*
2  The body tag has some margin by default on most browsers,
3  which will make our blue header have some white space around the edges,
4  so we're removing the margin.
5 */
6  body {
7    margin: 0;
8  }
9
10 .header {
11   background-color: #2DAACD;
12   height: 40px;
13 }
14
15 /* Add some space on each side of the logo */
16 #logo {
17   margin-right: 20px;
18   margin-left: 10px;
19 }
20
21 /* Remove default border around images on some browsers */
22 #logo img {
23   border: none;
24 }
25
26 /* Style both of the menus in the header */
27 .header ul {
28   margin: 0;
29   padding: 0;
30
31   /* Allow the menu to sit next to the logo (instead of its own line) */
32   display: inline-block;
33
34   /* Align menus at the top of header,
35      so we can center the link text later. */
36   vertical-align: top;
37 }
38
39 /* Style the li tags holding the menu links */
40 .header ul li {
```

```
41   /* Add some space to the right of each menu link */
42   margin-right: 20px;
43
44   /* Display menu items next to each other horizontally (instead of vertically) */
45   display: inline-block;
46
47   /* Make the line-height for the menu links the same height as .header,
48      which will center the text vertically. */
49   line-height: 40px;
50 }
51
52 /* Style all links in the header */
53 .header a {
54   color: white;
55
56   /* Remove the default underline on links. */
57   text-decoration: none;
58 }
59
60 /* Add some space around the text in the main section */
61 .main {
62   padding: 10px;
63 }
64
65 /* Move the Login menu to the right side of the header */
66 #menu-right {
67   float: right;
68 }
69
70 /* Style our domain name */
71 .domain {
72   color: green;
73   font-weight: bold;
74 }
```



Activity 1 Challenge

Once you have checked your code with your partner, try the challenge.

Duplicate your index.html file from Activity 1 into a new folder named “Activity 1 Challenge”

Challenges:

1. make the each button change colour when you hover over them
2. make the text in the buttons change to a different colour once they've been used
3. add different animations to each button

Gathering Time



Gathering Time is a time for check-in.



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Class Wrap-up

How was your day?

How's your website coming along?

Are you excited to add some colour?

