



Cascading Style Sheets (CSS)



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AMAZON ORIGINAL

The Grand Tour

We're headed stateside.

Apply for tickets to a live taping.

Available to Buy

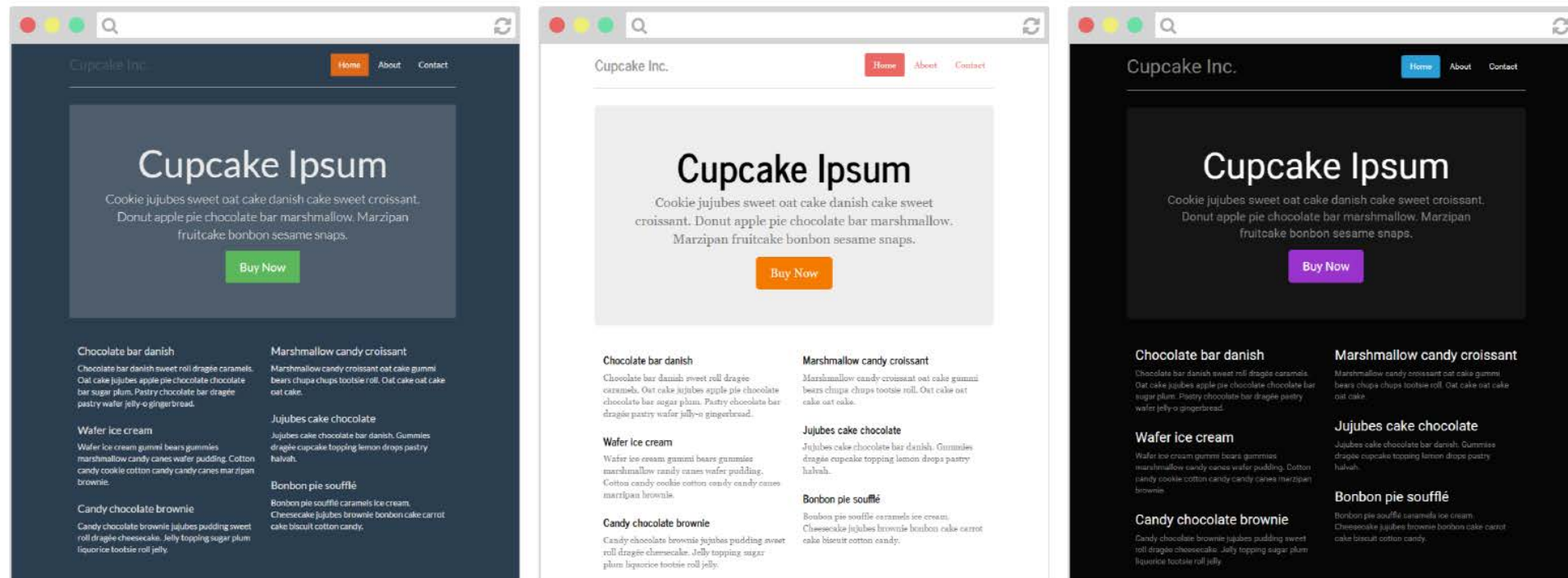
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STARZ

Separation of Content & Style

- Check out: csszengarden.com






CSS Rule

```
<head>
  <meta charset="UTF-8">
  <title>First Style</title>

  <!-- New HTML Element: style -->
  <style></style>
</head>

<body>
  <h1>Glorious Color</h1>
</body>
```



```
<head>
  <meta charset="UTF-8">
  <title>First Style</title>

  <!-- New HTML Element: style -->
  <style>
    h1 {
      color: white;
      background-color: darkviolet;
    }
  </style>
</head>

<body>
  <h1>Glorious Color</h1>
</body>
```



CSS Rule

```
h1 {  
    color: white;  
    background-color: darkviolet;  
}
```

SELECTOR



h1 {

color: white;

background-color: darkviolet;

}




```
h1 {
```

```
color: white;
```


```
background-color: darkviolet;
```

```
}
```

BLOCK



```
h1 {  
    color: white;  
    background-color: darkviolet;  
}
```



DECLARATION




Anatomy of a Declaration

PROPERTY **VALUE**

color: white;

SEPARATOR **END**

Colors



```
color: red;  
color: #FF0000;  
color: #FF0000FF;  
color: rgb(255, 0, 0);  
color: rgba(255, 0, 0, 1);  
color: hsl(0, 100%, 50%);  
color: hsla(0, 100%, 50%, 1);
```

```
/* Keyword */  
/* RGB Hexadecimal */  
/* RGBA Hexadecimal */  
/* RGB */  
/* RGBA */  
/* HSL */  
/* HSLA */
```



Keywords

black	dimgray	gray	darkgray	silver	lightgray	gainsboro	whitesmoke	white	rosybrown
indianred	brown	firebrick	lightcoral	maroon	darkred	red	snow	mistyrose	salmon
tomato	darksalmon	coral	orangered	lightsalmon	sienna	seashell	chocolate	saddlebrown	sandybrown
peachpuff	peru	linen	bisque	darkorange	burlywood	tan	antiquewhite	navajowhite	blanchedalmond
papayawhip	moccasin	orange	wheat	oldlace	floralwhite	darkgoldenrod	goldenrod	cornsilk	gold
khaki	lemonchiffon	palegoldenrod	darkkhaki	beige	lightgoldenrodyellow	olive	yellow	lightyellow	ivory
olivedrab	yellowgreen	darkolivegreen	greenyellow	chartreuse	lawngreen	darkseagreen	forestgreen	limegreen	lightgreen
palegreen	darkgreen	green	lime	honeydew	seagreen	mediumseagreen	springgreen	mintcream	mediumspringgreen
mediumaquamarine	aquamarine	turquoise	lightseagreen	mediumturquoise	darkslategray	paleturquoise	teal	darkcyan	aqua
cyan	lightcyan	azure	darkturquoise	cadetblue	powderblue	lightblue	deepskyblue	skyblue	lightskyblue
steelblue	aliceblue	dodgerblue	slategray	lightslategray	lightsteelblue	cornflowerblue	royalblue	midnightblue	lavender
navy	darkblue	mediumblue	blue	ghostwhite	slateblue	darkslateblue	mediumslateblue	mediumpurple	blueviolet
indigo	darkorchid	darkviolet	mediumorchid	thistle	plum	violet	purple	darkmagenta	magenta
fuchsia	orchid	mediumvioletred	deeppink	hotpink	lavenderblush	palevioletred	crimson	pink	lightpink

Hexadecimal

- Format: #RRGGBB
- Hex: 0 – 9 then A – F



#970515

Red Green Blue

The diagram illustrates the structure of a hexadecimal color code. The code #970515 is shown with the '#' symbol in black. The following two digits, '9' and '7', are colored red and are grouped by a bracket underneath, with the label 'Red' centered below the bracket. The next two digits, '0' and '5', are colored green and are grouped by a bracket underneath, with the label 'Green' centered below the bracket. The final two digits, '1' and '5', are colored blue and are grouped by a bracket underneath, with the label 'Blue' centered below the bracket.

Source: [Smashing Magazine](#)

RGB & RGBA

- Red, Green, Blue
 - Each channel goes from 0 to 255
 - Must be whole numbers
- Alpha from 0 to 1
 - 0 is transparent
 - 1 is opaque

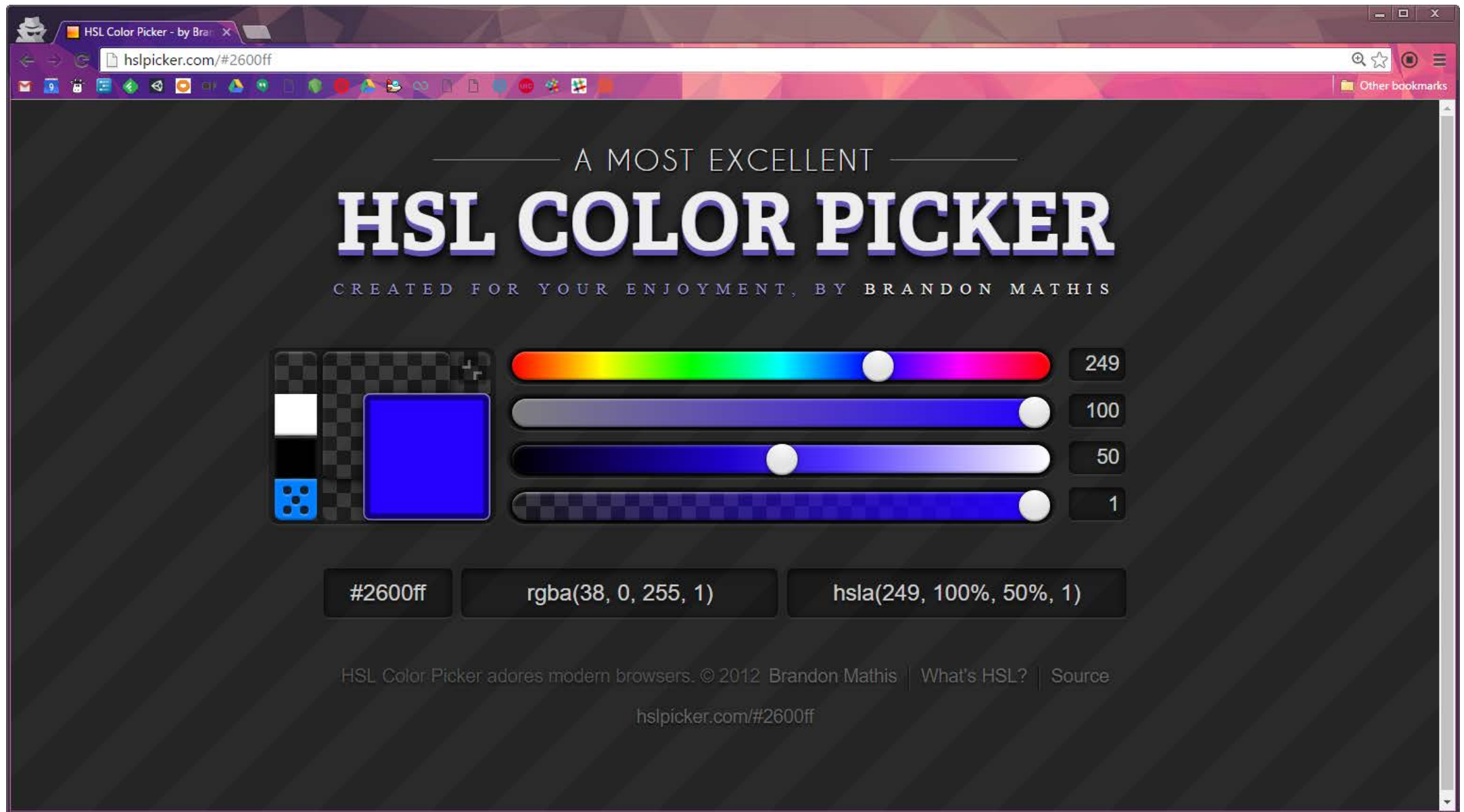
```
color: rgb(255, 101, 239);  
color: rgba(255, 101, 239, 0.5);
```



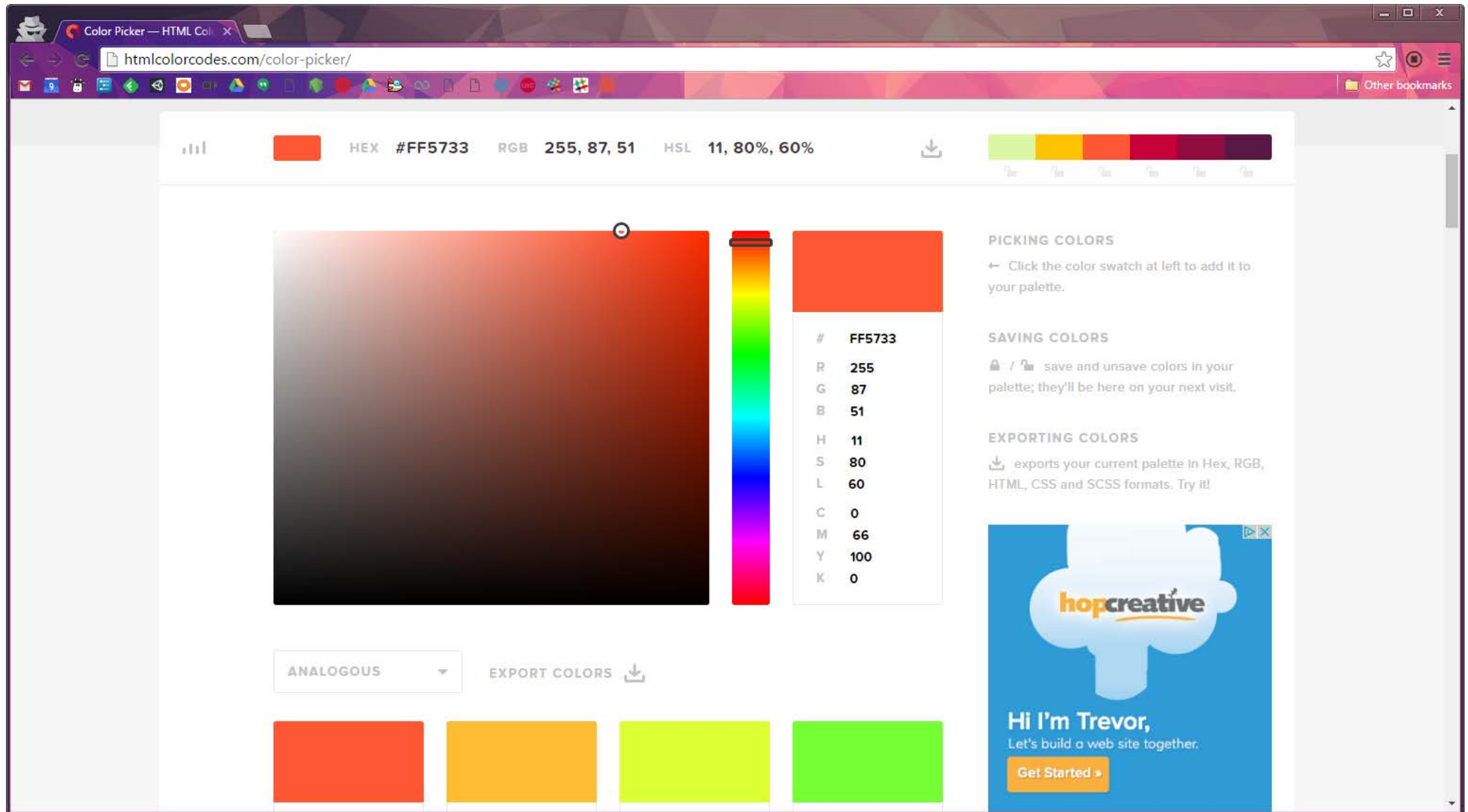

HSL & HSLA

- Hue, Saturation, Lightness
 - Hue: 0 - 360
 - Saturation: 0 – 100 %
 - Lightness: 0 – 100 %
- Alpha from 0 to 1

```
color: hsl(187, 100%, 61%);  
color: hsla(187, 100%, 61%, 0.75);
```



<http://hslpicker.com/>




<http://htmlcolorcodes.com/color-picker/>



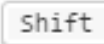




Inspector & DevTools

Accessing DevTools

To access the DevTools, on any web page or app in Google Chrome:



- Open the **Chrome menu**  at the top-right of your browser window, then select **Tools > Developer Tools**.
- Right-click on any page element and select **Inspect Element**.

On the keyboard:

Access DevTools	On Windows	On Mac
Open Developer Tools	 ,  +  + 	 +  + 



Glorious Chrome

Back	Alt+Left Arrow
Forward	Alt+Right Arrow
Reload	Ctrl+R
Save as...	Ctrl+S
Print...	Ctrl+P
Cast...	
Translate to English	
 Adobe Acrobat	▶
 LastPass	▶
View page source	Ctrl+U
Inspect	Ctrl+Shift+I

First Style

file:///E:/Dropbox/Work/SAIC/WebArt/Lessons/Day03/Day03_Solutions/02_FirstStyle/index.html

Glorious Color

h1 | 380 x 37

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    ... <h1>Glorious Color</h1> == $0
  </body>
</html>
```

Styles

element.style {

h1 { index.html:10

```
  color: #fff;
  background-color: rgb(148, 0, 211);
}
```

h1 { user agent stylesheet

```
  display: block;
  font-size: 2em;
  -webkit-margin-before: 0.67em;
  -webkit-margin-after: 0.67em;
  -webkit-margin-start: 0px;
  -webkit-margin-end: 0px;
  font-weight: bold;
}
```

margin 21.440

border

padding

380 x 37

html body h1

Console

top Preserve log

>

Typography

Font Size

- Most common units: pixels (px), percent (%), em and rem
- We'll be focusing on pixels to start

```
font-size: 35px;
```