Styling a Web Page with CSS

Colors and Names in CSS



CSS Colors

- Last time: Basics of CSS
- This time: Colors
 - Names and numbers



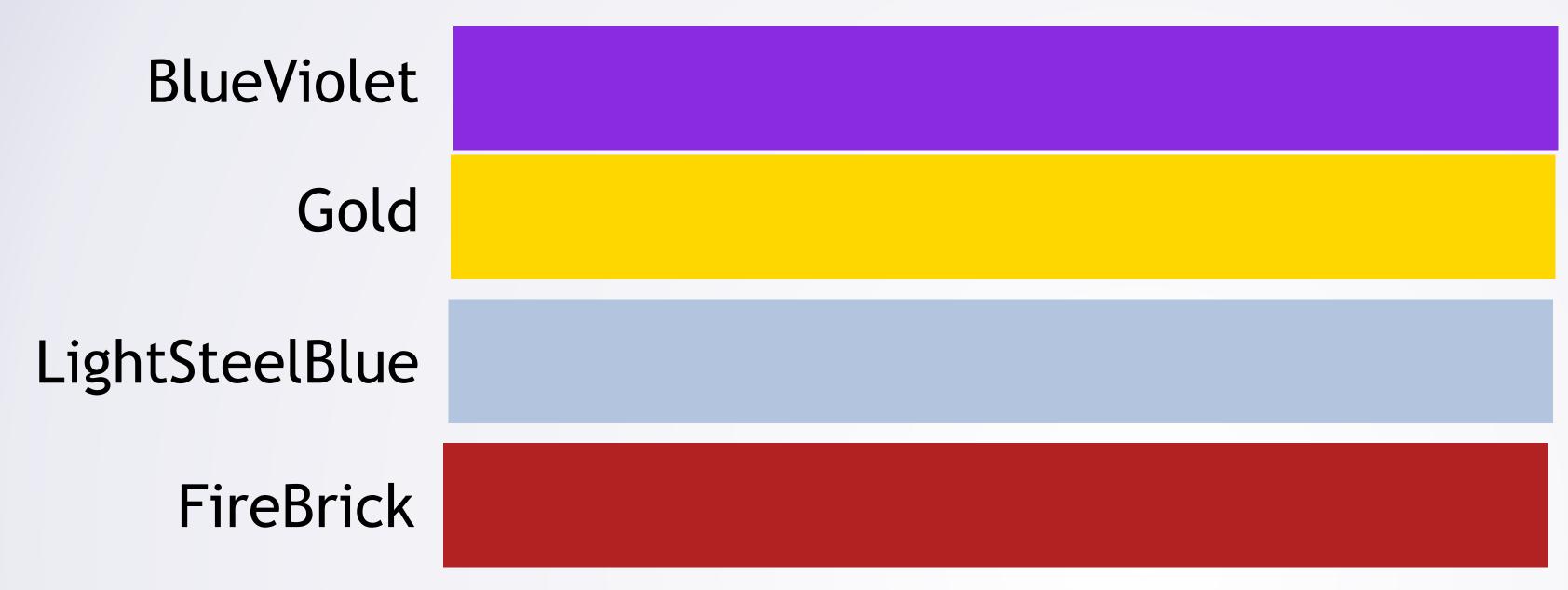
CSS Syntax

```
h1 {
    text-align: center;
    color:(blue;)
}
```

- Last time:
 - <h1> blue and centered
 - Other colors?



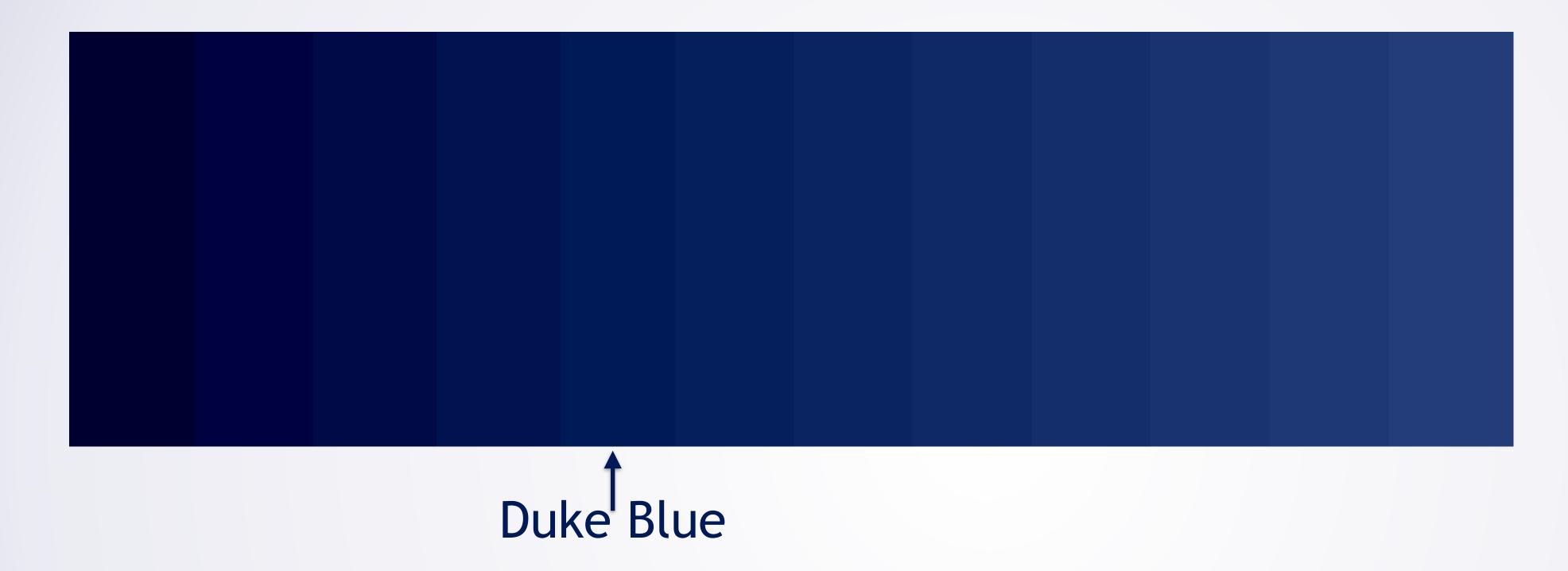
140 Color Names



- 140 Standard color names
 - Remember them all?
 - http://www.w3.org/TR/2003/CR-css3-color-20030514/#svgcolor
 - What about other colors?



Millions of Colors?



- Want more than 140 colors
- Average Human: Millions of Colors
- Example: 12 shades of blue



Millions of Colors

- How to handle millions of colors?
 - Names?
 - Limit selection?
 - Numbers?
 - Everything is a number
 - Red + Green + Blue, 0–255
 - Can specify 16 million colors



 BlueViolet
 rgb(138, 43, 226)

 Gold
 rgb(255, 215, 0)

 LightSteelBlue
 rgb(179, 196, 222)

 FireBrick
 rgb(178, 34, 34)

- Can specify with rgb (red, green, blue)
 - Makes numerical value from R, G, & B



BlueViolet #8A2BE2

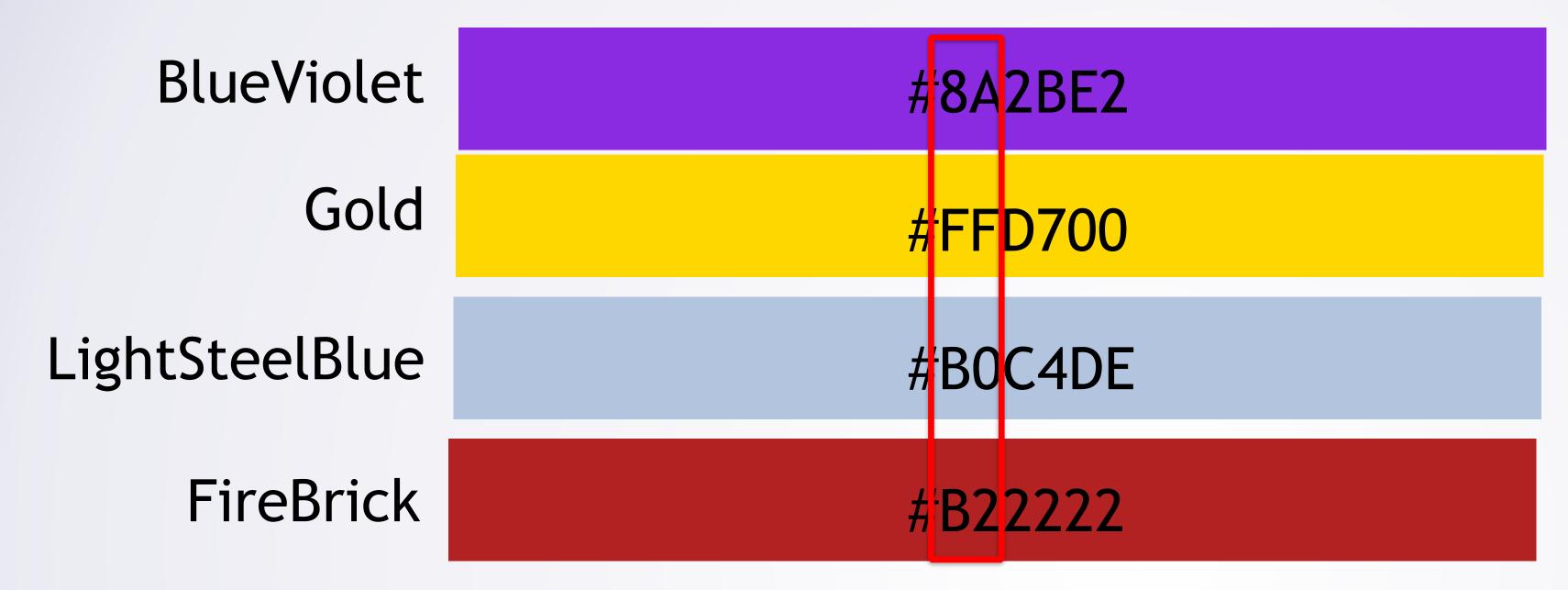
Gold #FFD700

LightSteelBlue #B0C4DE

FireBrick #B22222

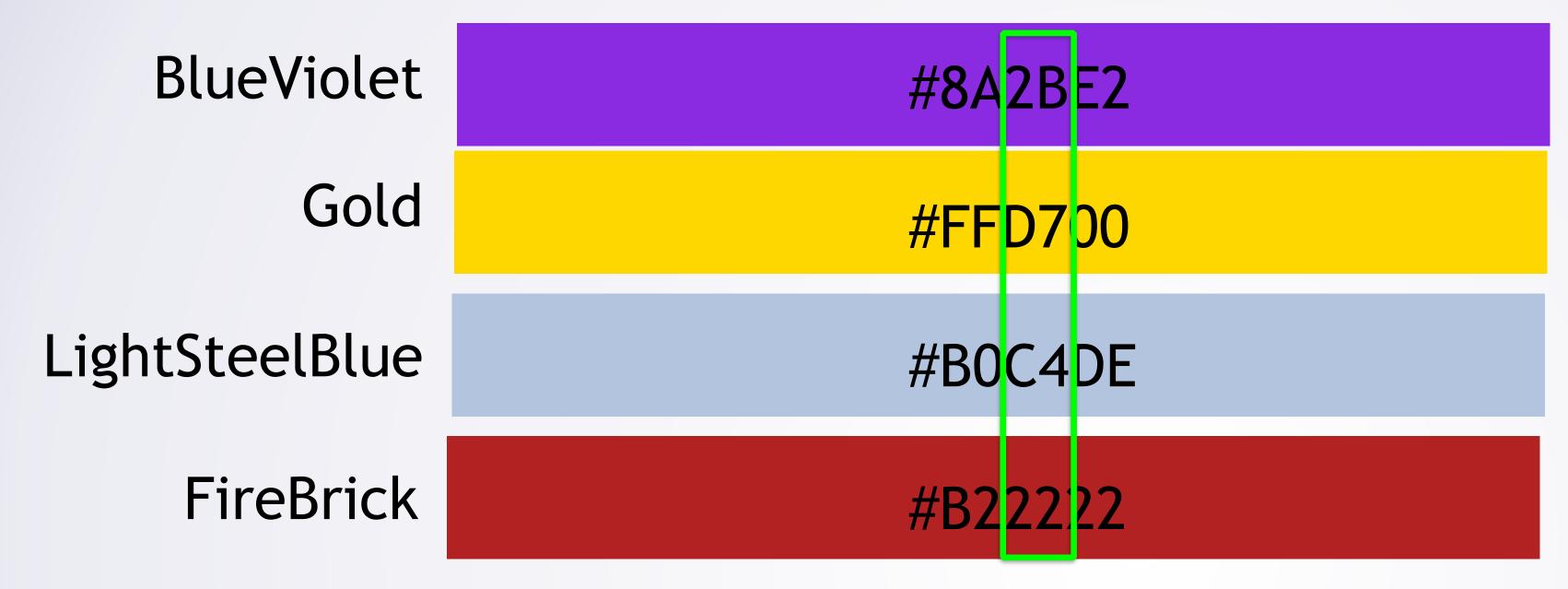
- Or entire number: # + 6 hex digits
 - Hexadecimal: base 16
 - Digits: 0–9, A (10)—F(15)





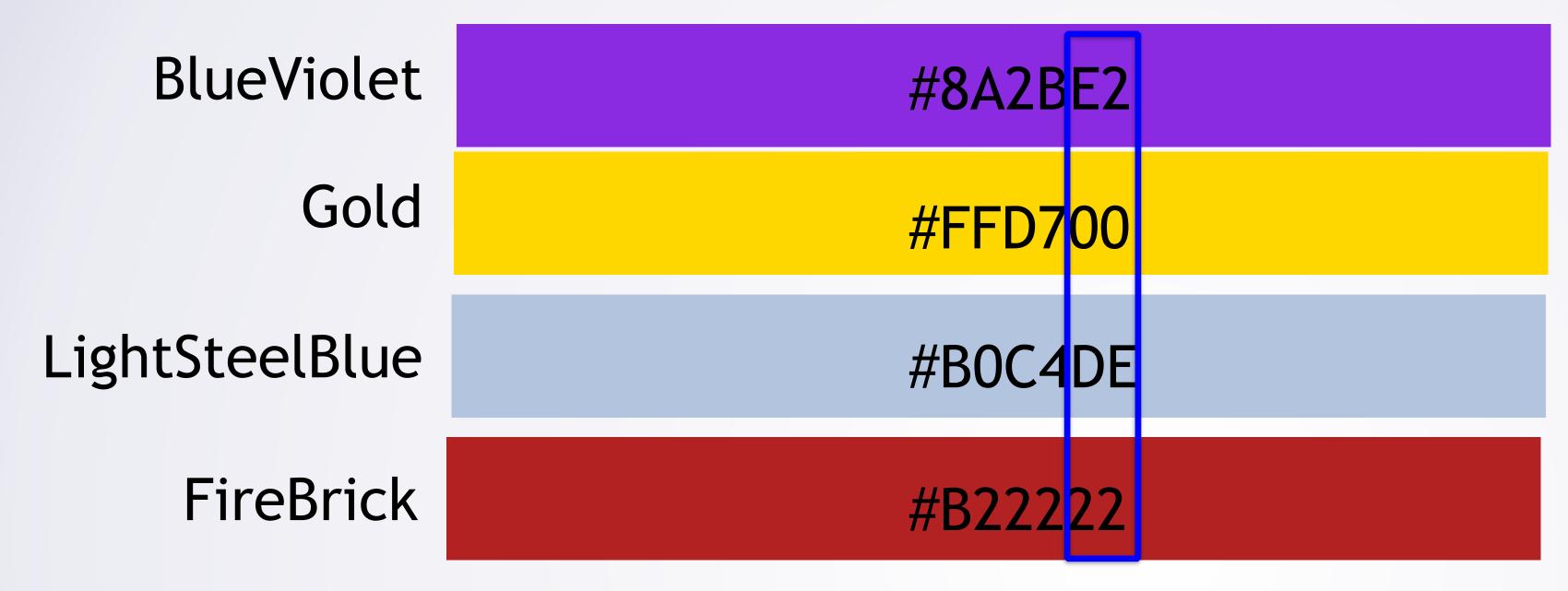
- Or entire number: # + 6 hex digits
 - Hexadecimal: base 16
 - Digits: 0–9, A (10)—F(15)





- Or entire number: # + 6 hex digits
 - Hexadecimal: base 16
 - Digits: 0–9, A (10)—F(15)





- Or entire number: # + 6 hex digits
 - Hexadecimal: base 16
 - Digits: 0–9, A (10)—F(15)



BlueViolet

#8A2BE2

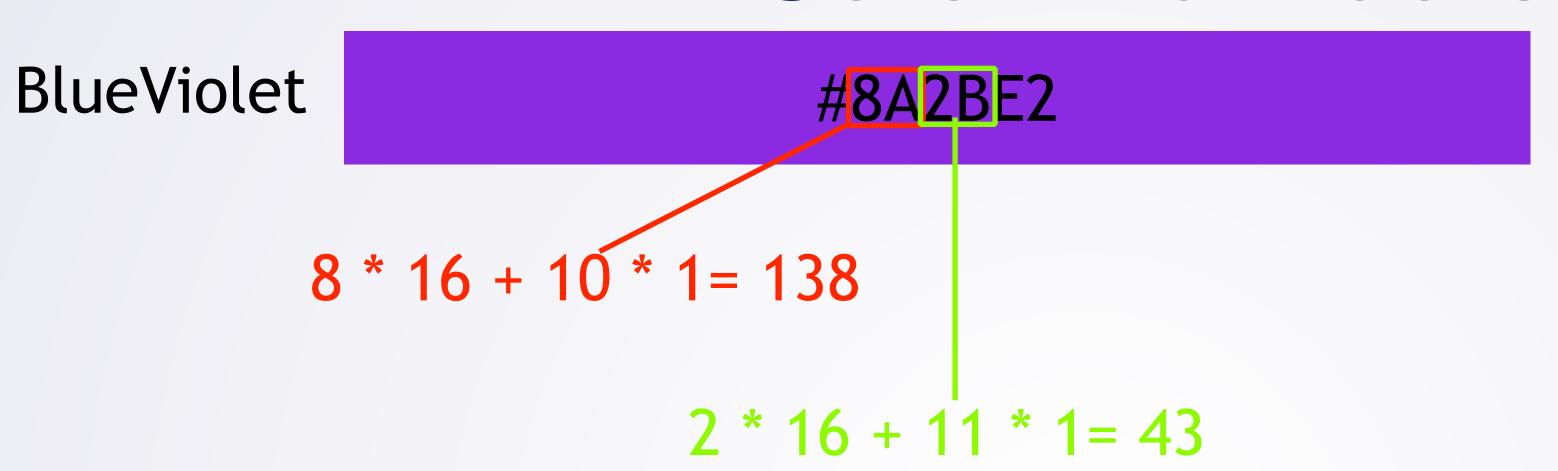
- Hexadecimal values:
 - Each place is 16x previous
 - 1's, 16's, 256's, ... places



BlueViolet #8A2BE2 8 * 16 + 10 * 1= 138

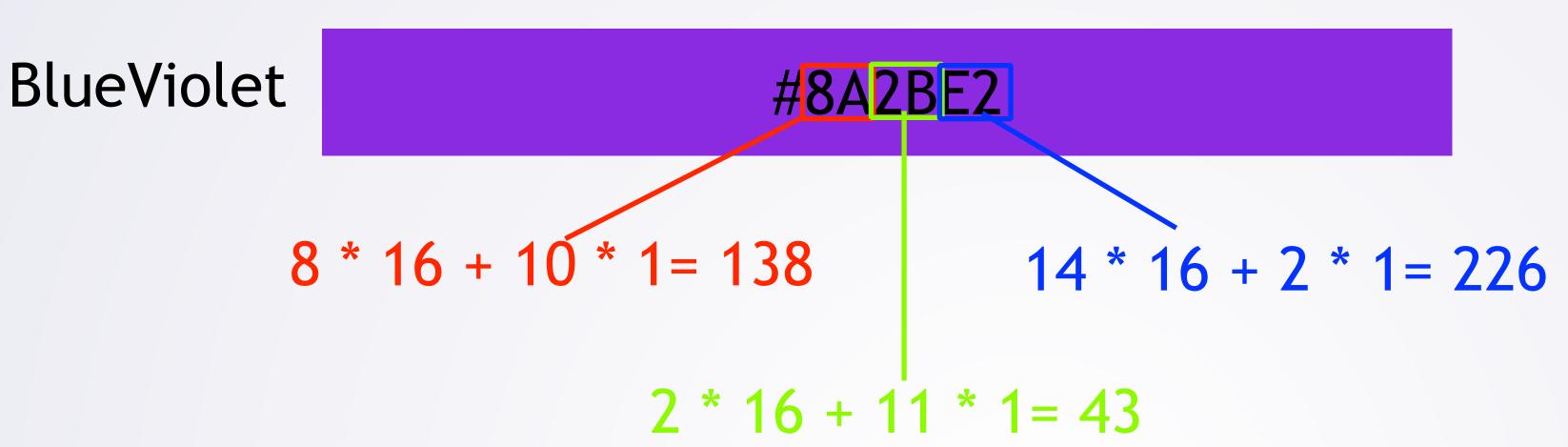
- Hexadecimal values:
 - Each place is 16x previous
 - 1's, 16's, 256's, ... places





- Hexadecimal values:
 - Each place is 16x previous
 - 1's, 16's, 256's, ... places





- Hexadecimal values:
 - Each place is 16x previous
 - 1's, 16's, 256's, ... places



Color Picker Tools

- May use color picker tool
 - Let us see an example



CSS: Colors

- 140 Standard Names
- Specify by number
 - rgb(red, green, blue)
 - #hex value
 - Color picker:
 - https://developer.mozilla.org/en-US/docs/ Web/CSS/Tools/ColorPicker Tool

