

CSS

CSS FUNDAMENTALS

# Color



**IN A ROCKET**

Learn front-end development at *rocket speed*

# NAMED COLORS

The color property sets the **foreground color** of an element's text content, and its decorations.

```
p { color: green }
```

---

With this code all paragraphs are shown in green.

**NAMED  
COLORS**

**HEX  
COLORS**

**RGB/RGBA  
COLORS**

**HSL/HSLA  
COLORS**



# NAMED COLORS

White	Hex	RGB
White	FF FF FF	255 255 255
Snow	FF FA FA	255 250 250
Honeydew	F0 FF F0	240 255 240
MintCream	F5 FF FA	245 255 250
Azure	F0 FF FF	240 255 255
AliceBlue	F0 F8 FF	240 248 255
GhostWhite	F8 F8 FF	248 248 255
WhiteSmoke	F5 F5 F5	245 245 245
Seashell	FF F5 EE	255 245 238
Beige	F5 F5 DC	245 245 220
OldLace	FD F5 E6	253 245 230
FloralWhite	FF FA F0	255 250 240
Ivory	FF FF F0	255 255 240
AntiqueWhite	FA EB D7	250 235 215
Linen	FA F0 E6	250 240 230
LavenderBlush	FF F0 F5	255 240 245
MistyRose	FF E4 E1	255 228 225

Gray & black	Hex	RGB
Gainsboro	DC DC DC	220 220 220
LightGray	D3 D3 D3	211 211 211
Silver	C0 C0 C0	192 192 192
DarkGray	A9 A9 A9	169 169 169
Gray	80 80 80	128 128 128
DimGray	69 69 69	105 105 105
LightSlateGray	77 88 99	119 136 153
SlateGray	70 80 90	112 128 144
DarkSlateGray	2F 4F 4F	47 79 79
Black	00 00 00	0 0 0

Yellow	Hex	RGB
Yellow	FF FF 00	255 255 0
LightYellow	FF FF E0	255 255 224
LemonChiffon	FF FA CD	255 250 205
LightGoldenrodYellow	FA FA D2	250 250 210
PapayaWhip	FF EF D5	255 239 213
Moccasin	FF E4 B5	255 228 181
PeachPuff	FF DA B9	255 218 185
PaleGoldenrod	EE E8 AA	238 232 170
Khaki	F0 E6 8C	240 230 140
DarkKhaki	BD B7 6B	189 183 107
Gold	FF D7 00	255 215 0

Red	Hex	RGB
LightSalmon	FF A0 7A	255 160 122
Salmon	FA 80 72	250 128 114
DarkSalmon	E9 96 7A	233 150 122
LightCoral	F0 80 80	240 128 128
IndianRed	CD 5C 5C	205 92 92
Crimson	DC 14 3C	220 20 60
Firebrick	B2 22 22	178 34 34
DarkRed	8B 00 00	139 0 0
Red	FF 00 00	255 0 0

Orange	Hex	RGB
OrangeRed	FF 45 00	255 69 0
Tomato	FF 63 47	255 99 71
Coral	FF 7F 50	255 127 80
DarkOrange	FF 8C 00	255 140 0
Orange	FF A5 00	255 165 0

Pink	Hex	RGB
Pink	FF C0 CB	255 192 203
LightPink	FF B6 C1	255 182 193
HotPink	FF 69 B4	255 105 180
DeepPink	FF 14 93	255 20 147
PaleVioletRed	DB 70 93	219 112 147
MediumVioletRed	C7 15 85	199 21 133

Green	Hex	RGB
DarkOliveGreen	55 6B 2F	85 107 47
Olive	80 80 00	128 128 0
OliveDrab	6B 8E 23	107 142 35
YellowGreen	9A CD 32	154 205 50
LimeGreen	32 CD 32	50 205 50
Lime	00 FF 00	0 255 0
LawnGreen	7C FC 00	124 252 0
Chartreuse	7F FF 00	127 255 0
GreenYellow	AD FF 2F	173 255 47
SpringGreen	00 FF 7F	0 255 127
MediumSpringGreen	00 FA 9A	0 250 154
LightGreen	90 EE 90	144 238 144
PaleGreen	98 FB 98	152 251 152
DarkSeaGreen	8F BC 8F	143 188 143
MediumAquamarine	66 CD AA	102 205 170
MediumSeaGreen	3C B3 71	60 179 113
SeaGreen	2E 8B 57	46 139 87
ForestGreen	22 8B 22	34 139 34
Green	00 80 00	0 128 0
DarkGreen	00 64 00	0 100 0



# NAMED COLORS

Blue	Hex	RGB
LightSteelBlue	B0 C4 DE	176 196 222
PowderBlue	B0 E0 E6	176 224 230
LightBlue	AD D8 E6	173 216 230
SkyBlue	87 CE EB	135 206 235
LightSkyBlue	87 CE FA	135 206 250
DeepSkyBlue	00 BF FF	0 191 255
DodgerBlue	1E 90 FF	30 144 255
CornflowerBlue	64 95 ED	100 149 237
SteelBlue	46 82 B4	70 130 180
RoyalBlue	41 69 E1	65 105 225
Blue	00 00 FF	0 0 255
MediumBlue	00 00 CD	0 0 205
DarkBlue	00 00 8B	0 0 139
Navy	00 00 80	0 0 128
MidnightBlue	19 19 70	25 25 112

Cyan	Hex	RGB
Aqua	00 FF FF	0 255 255
Cyan	00 FF FF	0 255 255
LightCyan	E0 FF FF	224 255 255
PaleTurquoise	AF EE EE	175 238 238
Aquamarine	7F FF D4	127 255 212
Turquoise	40 E0 D0	64 224 208
MediumTurquoise	48 D1 CC	72 209 204
DarkTurquoise	00 CE D1	0 206 209
LightSeaGreen	20 B2 AA	32 178 170
CadetBlue	5F 9E A0	95 158 160
DarkCyan	00 8B 8B	0 139 139
Teal	00 80 80	0 128 128

Purple	Hex	RGB
Lavender	E6 E6 FA	230 230 250
Thistle	D8 BF D8	216 191 216
Plum	DD A0 DD	221 160 221
Violet	EE 82 EE	238 130 238
Orchid	DA 70 D6	218 112 214
Fuchsia	FF 00 FF	255 0 255
Magenta	FF 00 FF	255 0 255
MediumOrchid	BA 55 D3	186 85 211
MediumPurple	93 70 DB	147 112 219
BlueViolet	8A 2B E2	138 43 226
DarkViolet	94 00 D3	148 0 211
DarkOrchid	99 32 CC	153 50 204
DarkMagenta	8B 00 8B	139 0 139
Purple	80 00 80	128 0 128
Indigo	4B 00 82	75 0 130
DarkSlateBlue	48 3D 8B	72 61 139
SlateBlue	6A 5A CD	106 90 205
MediumSlateBlue	7B 68 EE	123 104 238

Brown	Hex	RGB
Cornsilk	FF F8 DC	255 248 220
BlanchedAlmond	FF EB CD	255 235 205
Bisque	FF E4 C4	255 228 196
NavajoWhite	FF DE AD	255 222 173
Wheat	F5 DE B3	245 222 179
Burlywood	DE B8 87	222 184 135
Tan	D2 B4 8C	210 180 140
RosyBrown	BC 8F 8F	188 143 143
SandyBrown	F4 A4 60	244 164 96
Goldenrod	DA A5 20	218 165 32
DarkGoldenrod	B8 86 0B	184 134 11
Peru	CD 85 3F	205 133 63
Chocolate	D2 69 1E	210 105 30
SaddleBrown	8B 45 13	139 69 19
Sienna	A0 52 2D	160 82 45
Brown	A5 2A 2A	165 42 42
Maroon	80 00 00	128 0 0



# NAMED COLORS

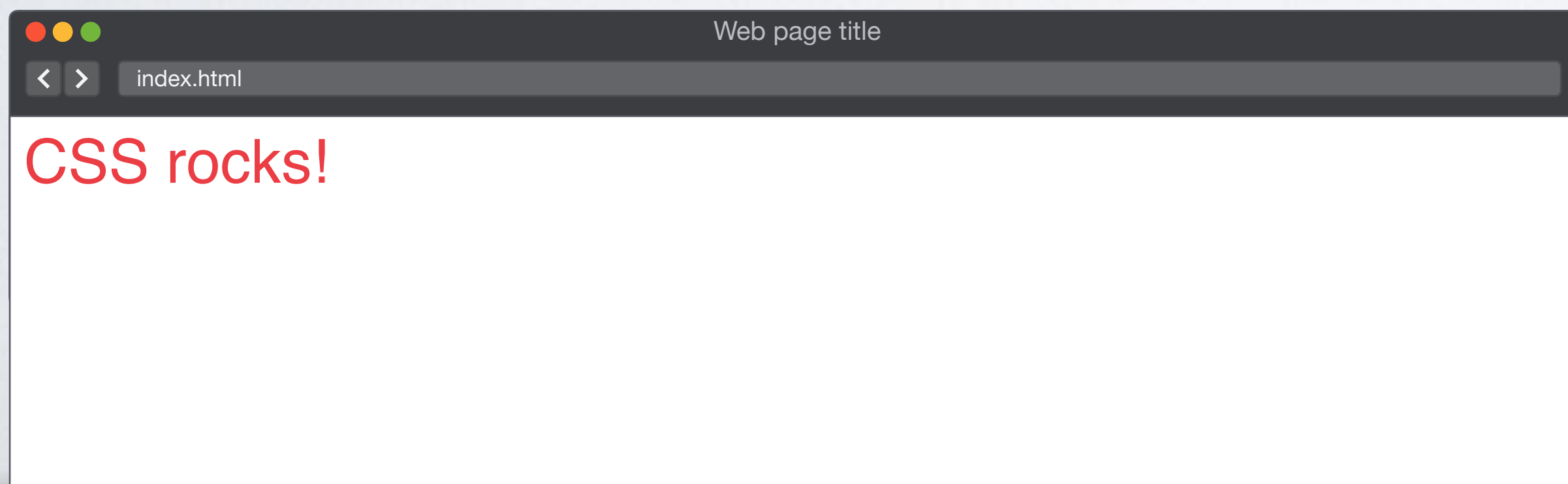
## HTML

```
<body>  
<p>CSS rocks!</p>  
</body>
```

## CSS

```
p { color: red; }
```

## Browser



**NAMED  
COLORS**

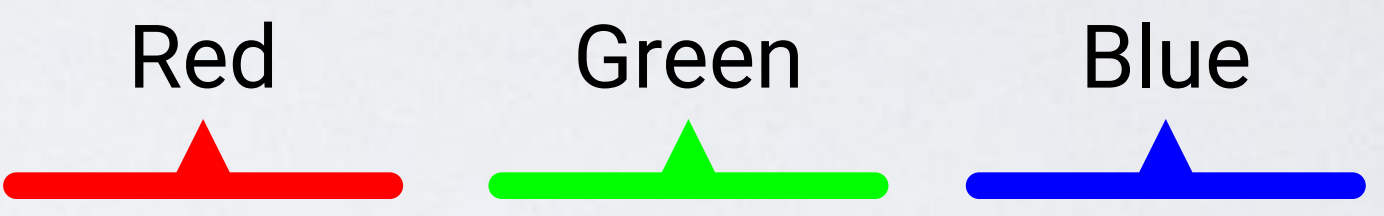
**HEX  
COLORS**

**RGB/RGBA  
COLORS**

**HSL/HSLA  
COLORS**

# HEX COLORS

```
p { color: #000000 }  
           Red  Green  Blue
```

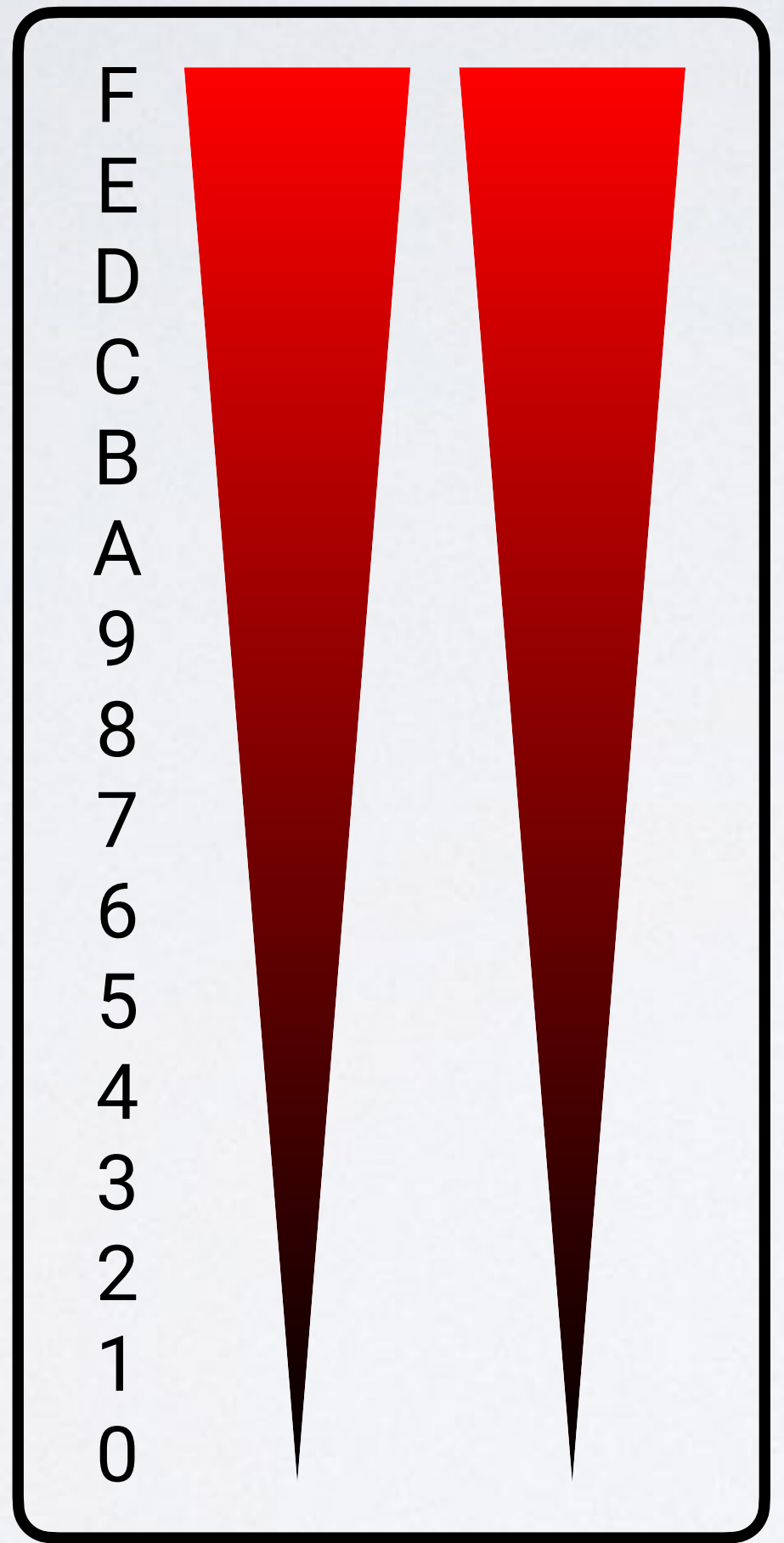




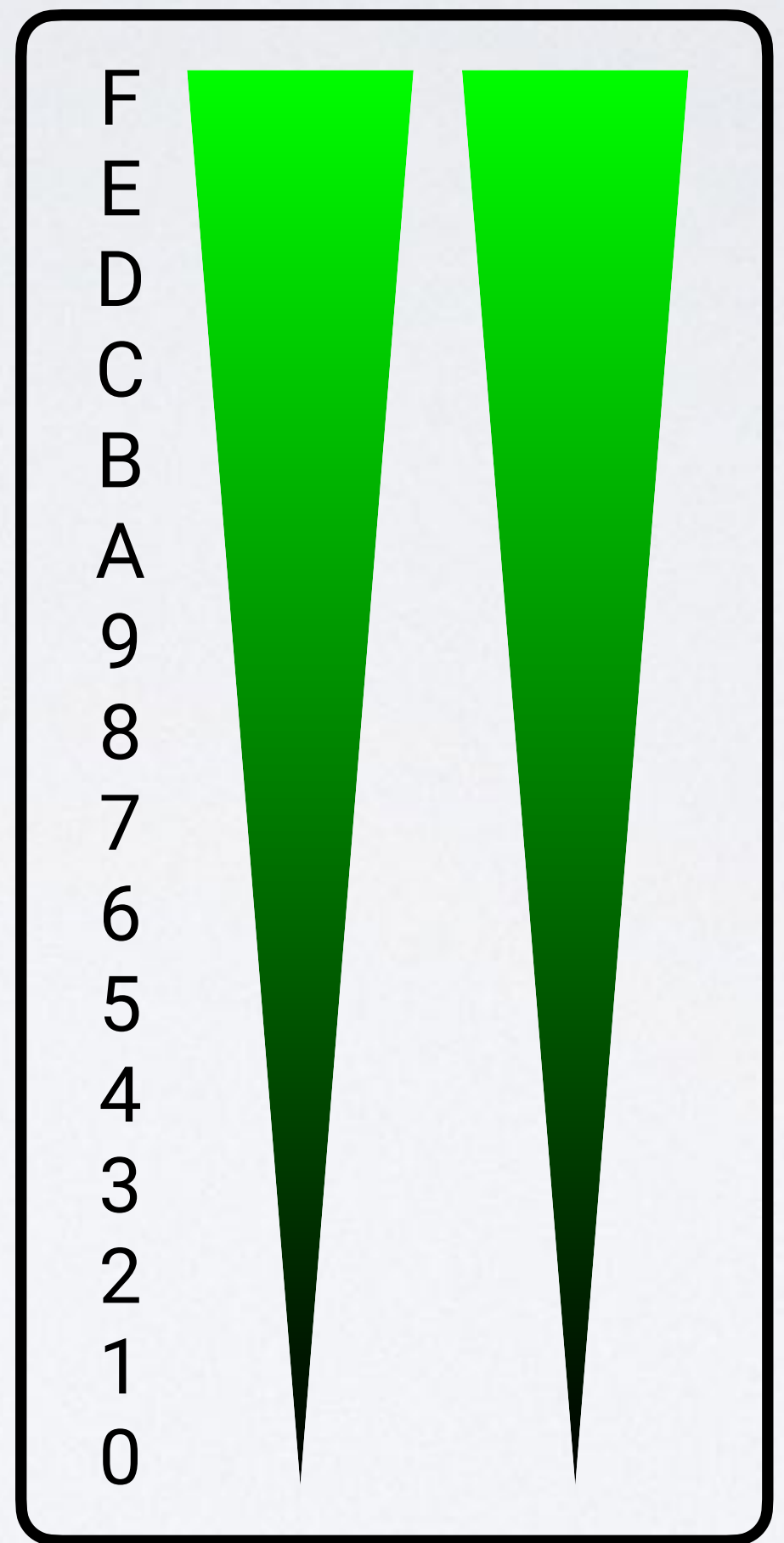
# HEX COLORS

#

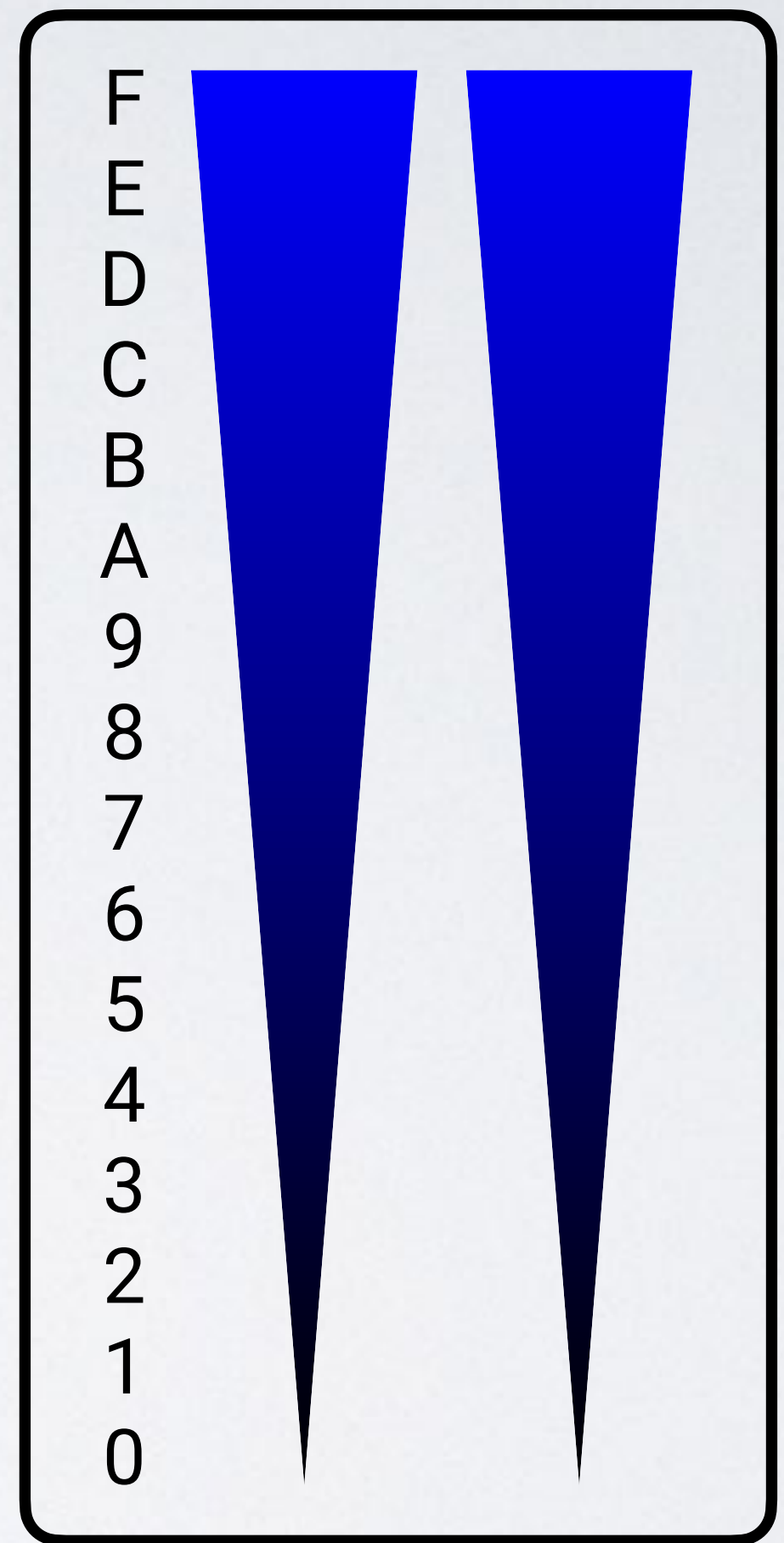
RED



GREEN

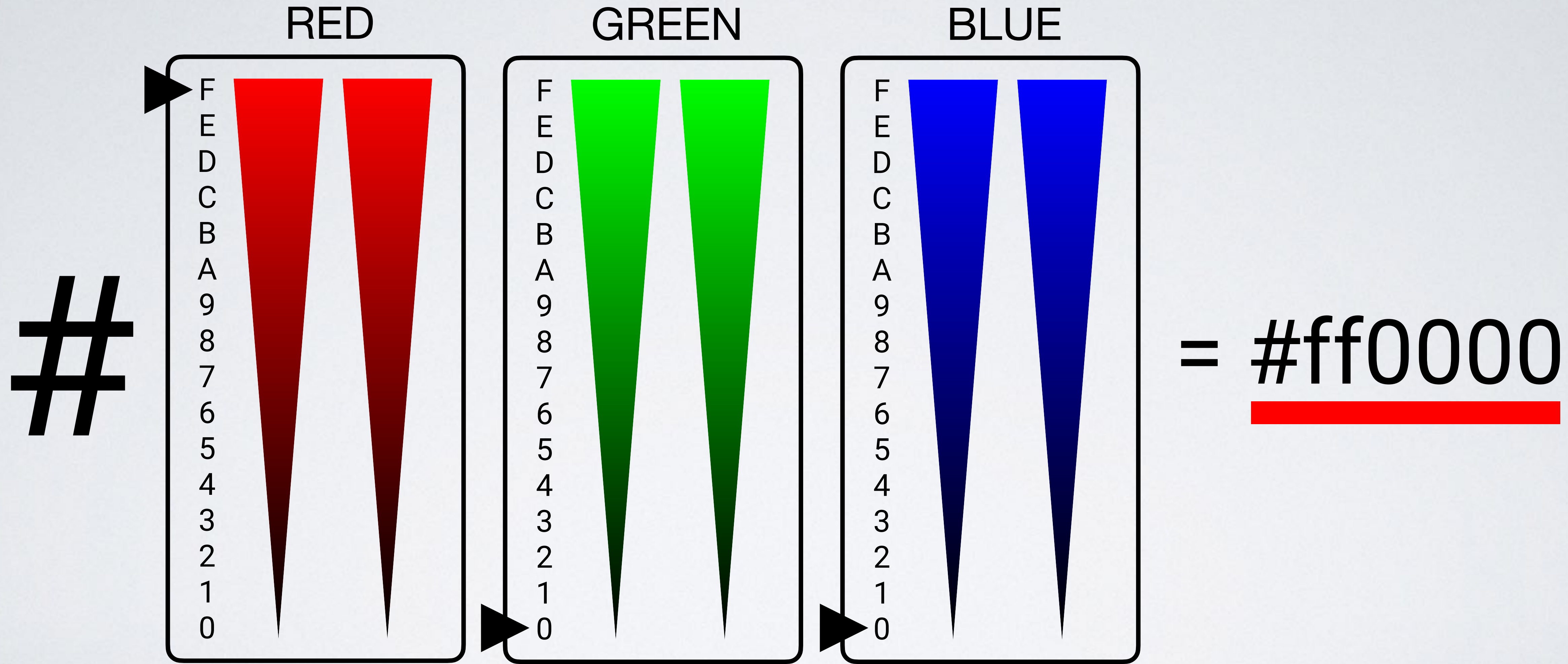


BLUE



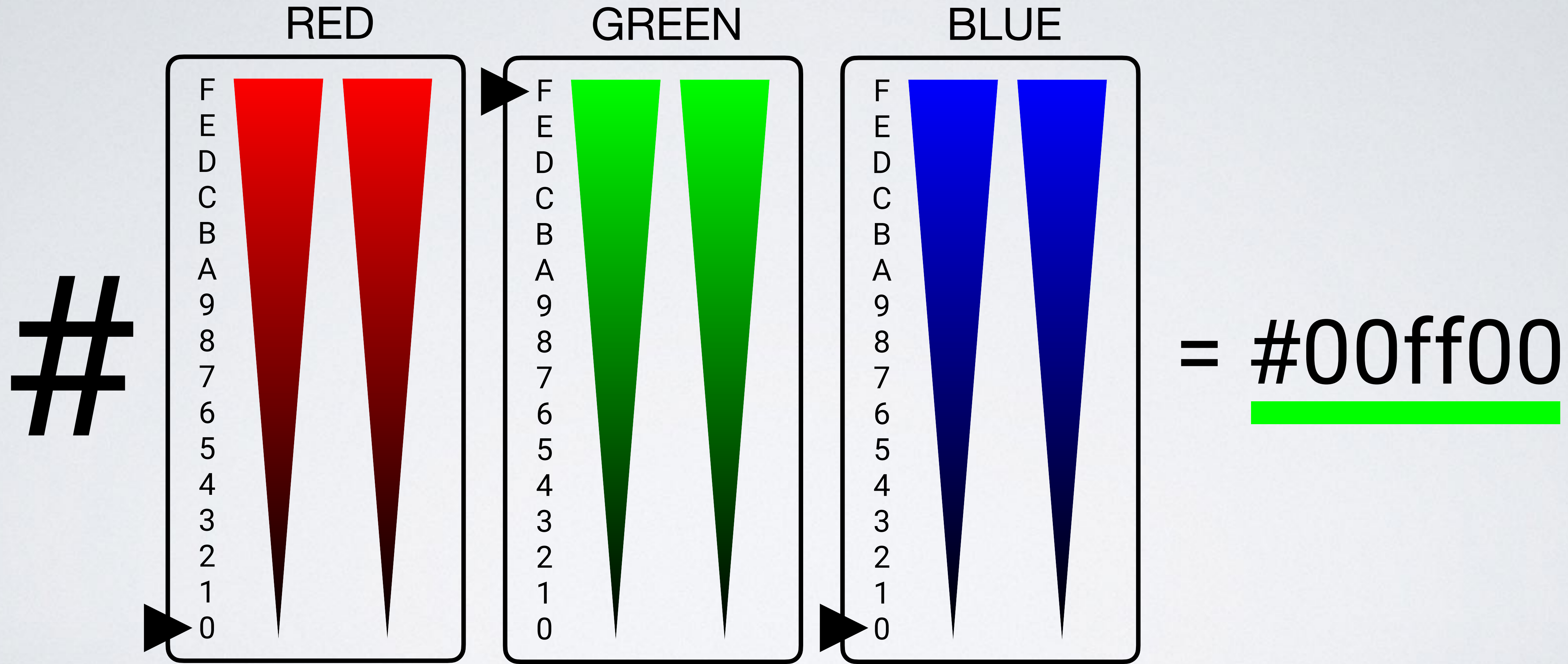


# HEX COLORS



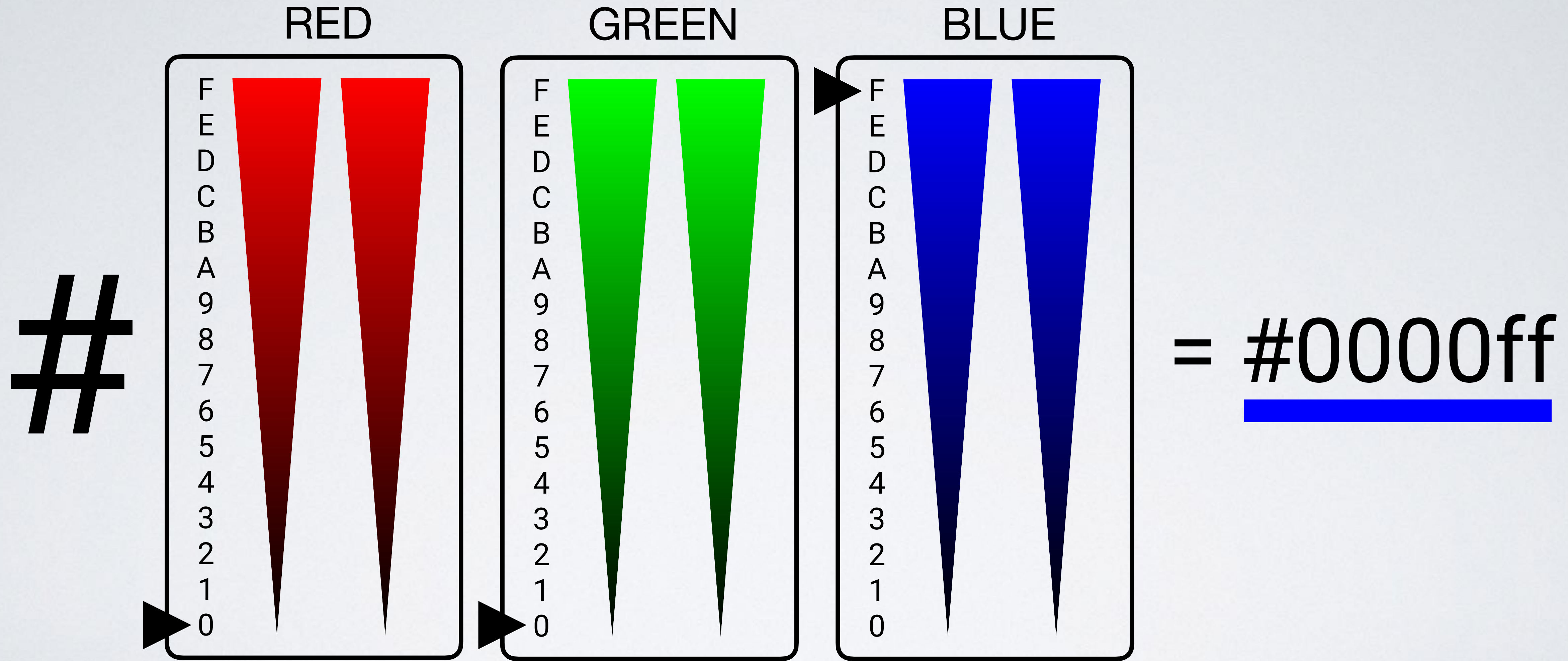


# HEX COLORS



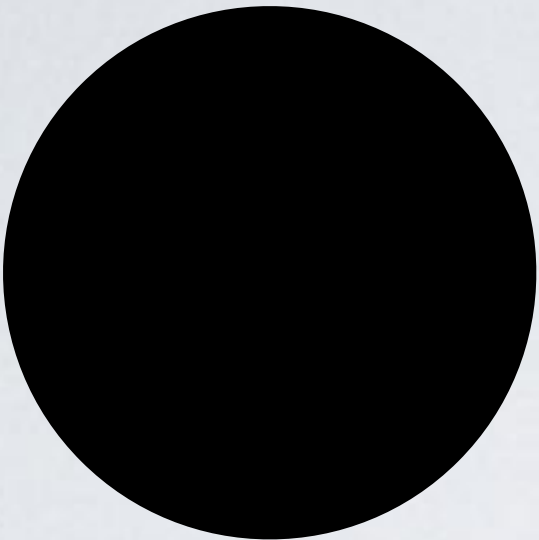


# HEX COLORS

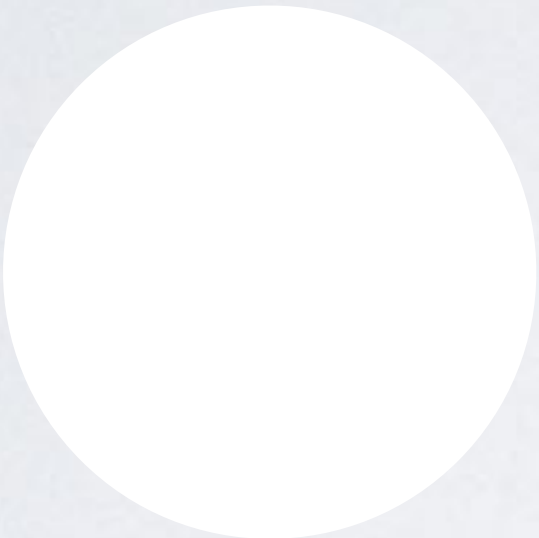




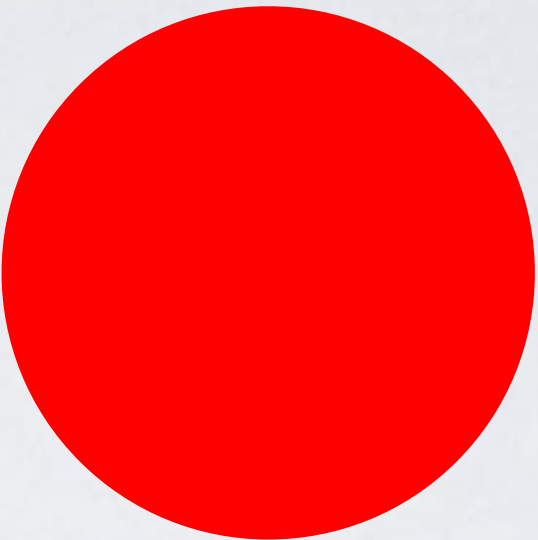
# HEX COLORS



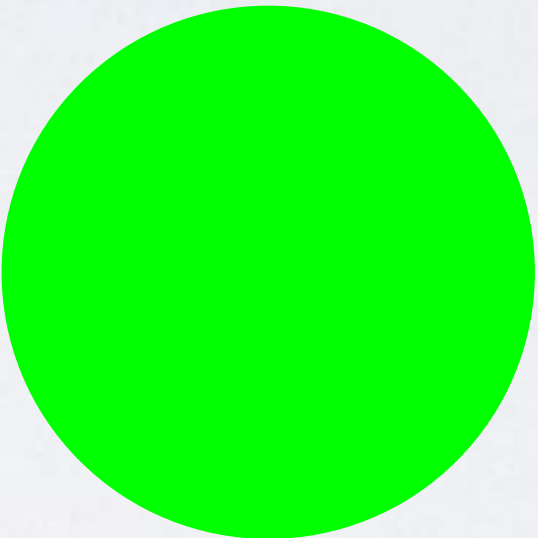
#000000  
#000



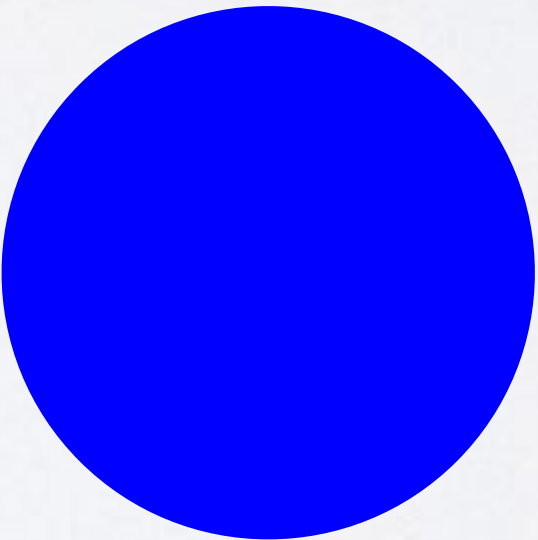
#ffffff  
#fff



#ff0000  
#f00



#00ff00  
#0f0



#0000ff  
#00f

# HEX COLORS

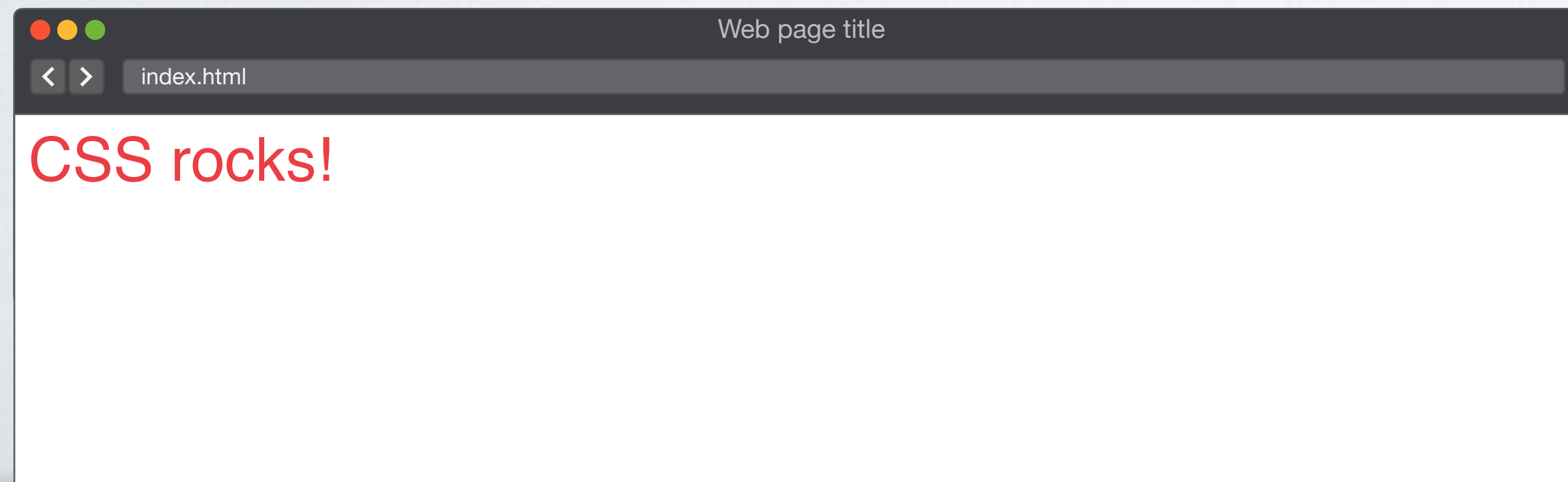
## HTML

```
<body>  
<p>CSS rocks!</p>  
</body>
```

## CSS

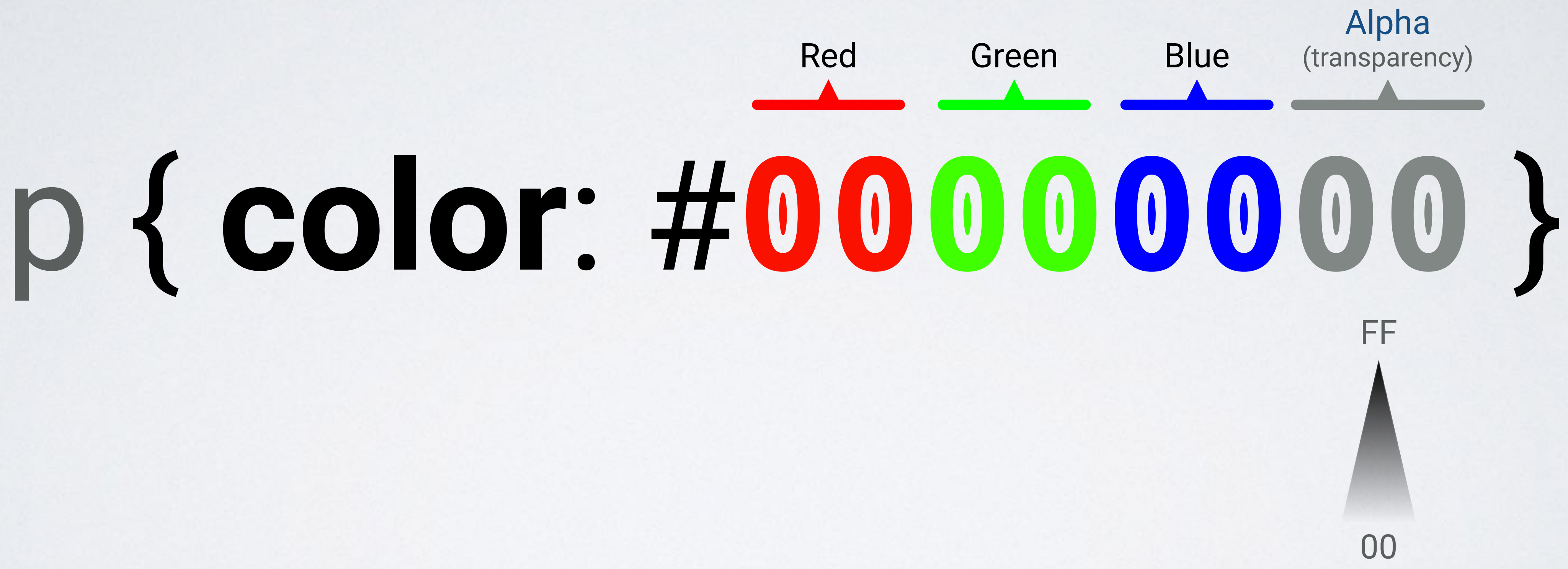
```
p { color: #f00; }
```

## Browser





# HEX COLORS + ALPHA



SOURCE: [The RGB hexadecimal notations by W3C.](#)

# HEX COLORS + ALPHA

## HTML

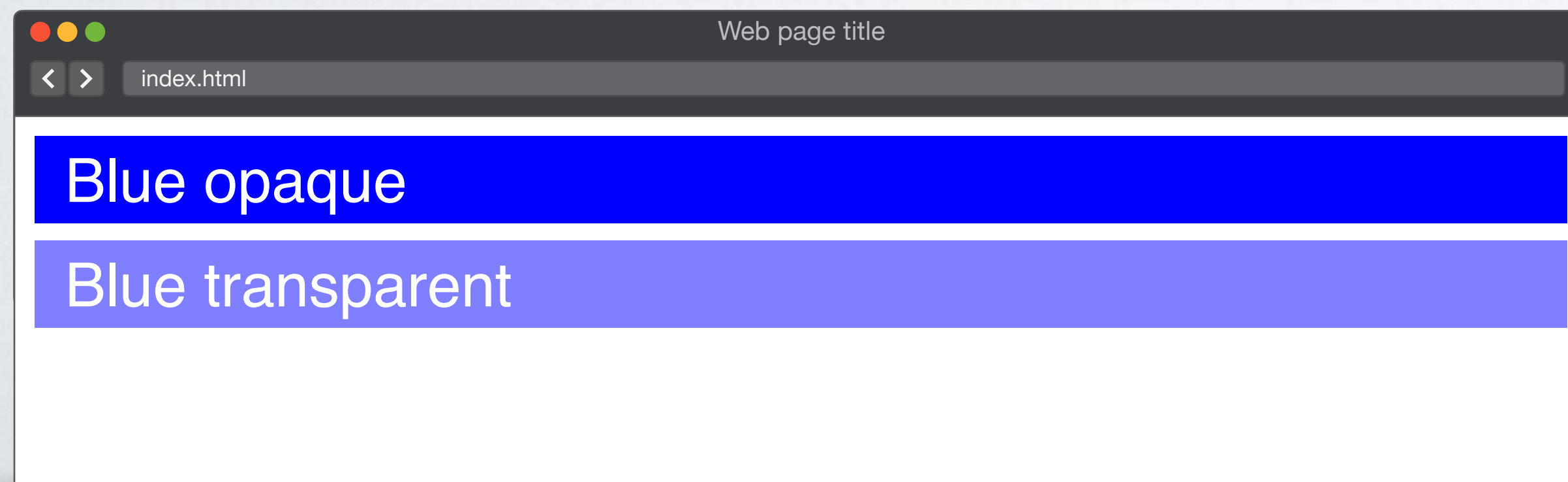
```
<body>
<p class="color-primary">Blue opaque</p>
<p class="color-primary-transparent">
Blue transparent</p>
</body>
```

## CSS

```
.color-primary {
  background-color: #0000ff00;
}

.color-primary-transparent {
  background-color: #0000ff88;
}
```

## Browser





# HEX COLORS + ALPHA: SUPPORT

Home News January 29, 2022 - New feature: COLR/CPAL(v1) Font Formats Compare browsers About

## Can I use ? Settings

Feature: #rrggbbaa hex color notation

# #rrggbbaa hex color notation - UNOFF

Usage % of all users Global 94.52%

The CSS Color Module Level 4 defines new 4 & 8 character hex notation for color to include the opacity level.

Current aligned Usage relative Date relative Filtered All

IE	Edge*	Firefox	Chrome	Safari	Opera	Safari on iOS*	Opera Mini*	Android Browser*	Opera Mobile*	Chrome for Android	Firefox for Android	UC Browser for Android	Samsung Internet	QQ Browser	Baidu Browser	Kai Brov
			4-51		10-38								4			
	12-18	2-48	<sup>1</sup> 52-61	3.1-9.1	<sup>1</sup> 39-51	3.2-9.3							<sup>1</sup> 5-7.4			
6-10	79-97	49-95	62-97	10-15.1	52-82	10-15.1		2.1-4.4.4	12-12.1				8.2-15.0			
11	98	96	98	15.3	83	15.3	all	97	64	97	96	12.12	16.0	10.4	<sup>1</sup> 7.12	2.
		97-98	99-101	15.4-TP		15.4										

Notes Test on a real browser Known issues (0) Resources (4) Feedback

Only supported in Android WebViews in apps that target Android Pie, due to [this issue](#)

<sup>1</sup> Can be enabled via the "Experimental web platform features" flag.

# GAME: GUESS THE COLOR

WHAT THE HEX?

#F00FE8



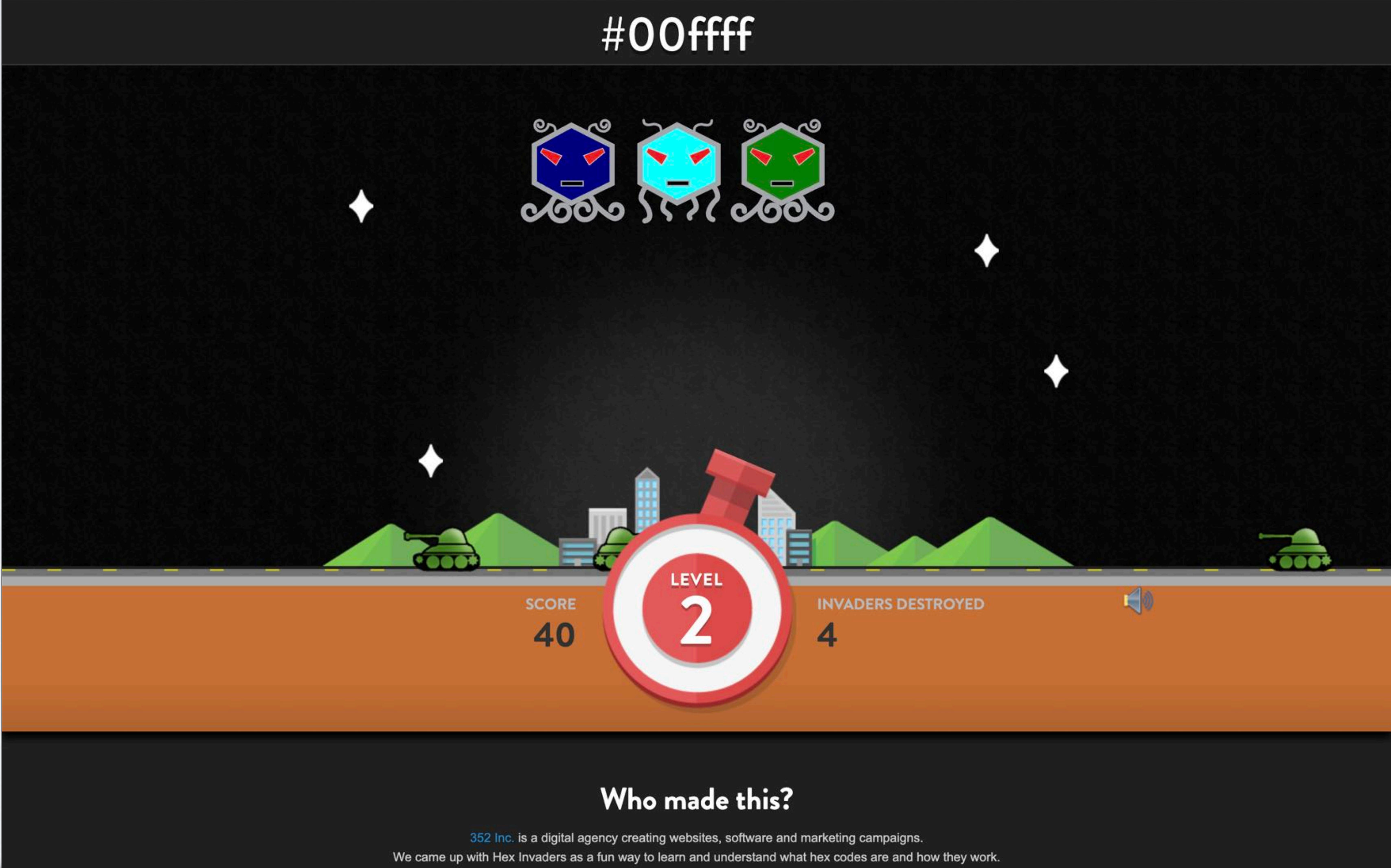
GUESS THE COLOR

DIFFICULTY: 2 3 4 **5** 6 7 8 9 10 48

© 2015 Andrew Yang



# GAME: HEX INVADERS



**NAMED  
COLORS**

**HEX  
COLORS**

**RGB/RGBA  
COLORS**

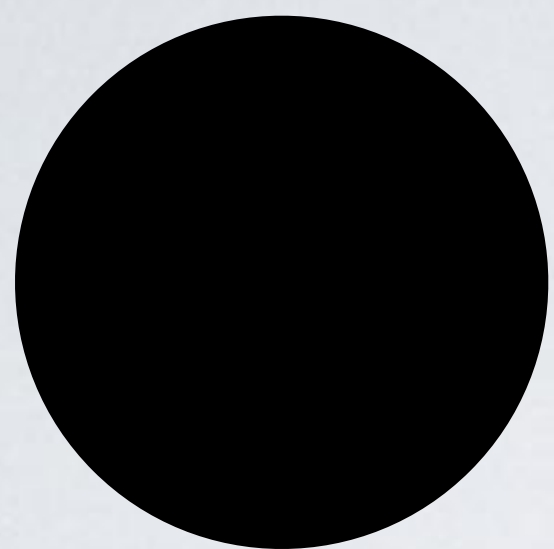
**HSL/HSLA  
COLORS**



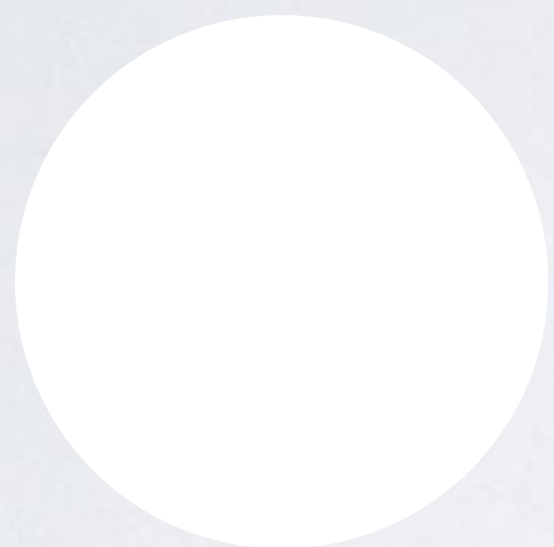
```
p { color: rgb(0, 0, 255) }
```

With this code all paragraphs are shown in blue.

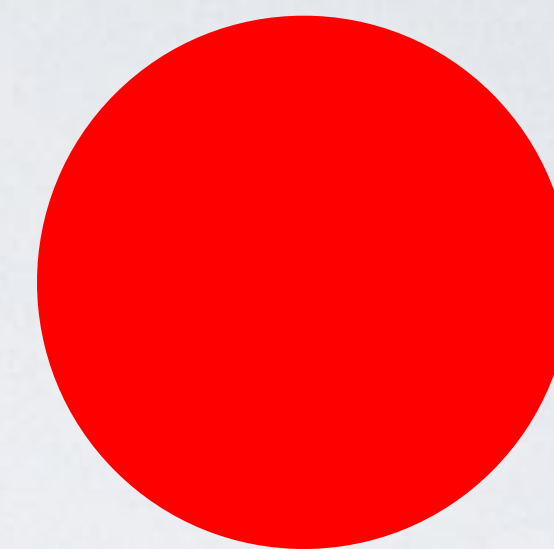
# RGB / RGBA COLORS



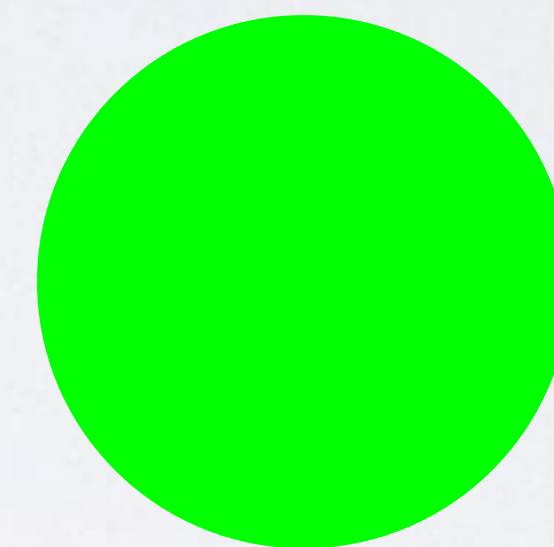
`rgb(0,0,0)`



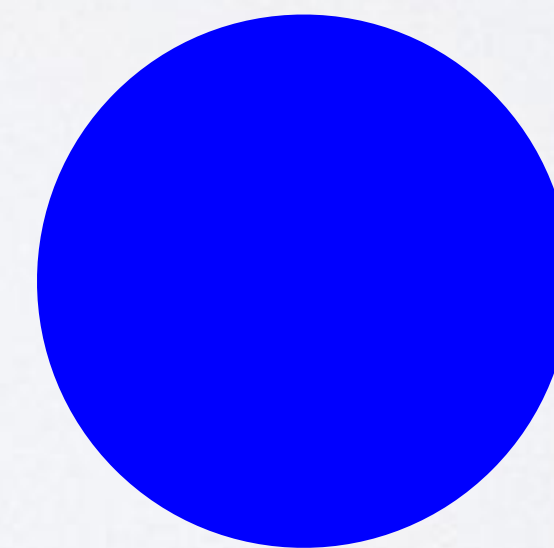
`rgb(255,255,255)`



`rgb(255,0,0)`



`rgb(0,255,0)`



`rgb(0,0,255)`



# RGB / RGBA COLORS

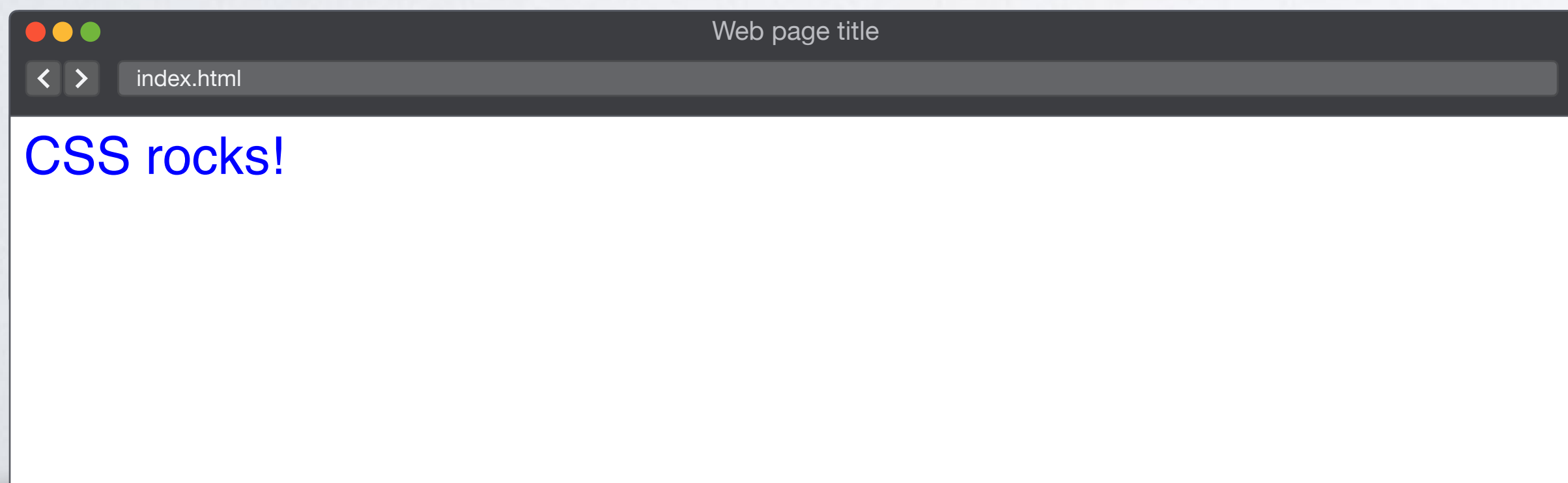
## HTML

```
<body>  
<p>CSS rocks!</p>  
</body>
```

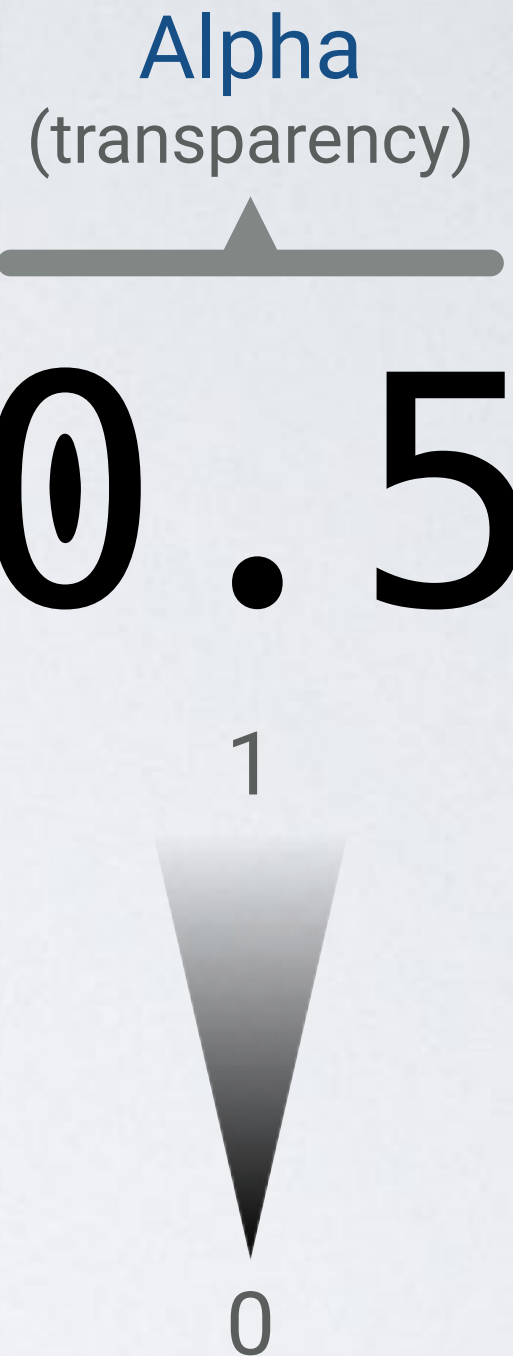
## CSS

```
p { color: rgb(0,0,255) }
```

## Browser



```
p { color: rgba(0, 0, 255, 0.5) }
```

A diagram illustrating the alpha value. The word "Alpha" is written in blue, with "(transparency)" in grey below it. A horizontal line with a small triangle pointing down at its center is positioned below the text. Below this line, a vertical gradient arrow points downwards from a light grey top to a dark grey bottom. The number "1" is at the top of the arrow, and the number "0" is at the bottom.

---

With this code all paragraphs are shown in blue with 50% transparency.



# RGB / RGBA COLORS

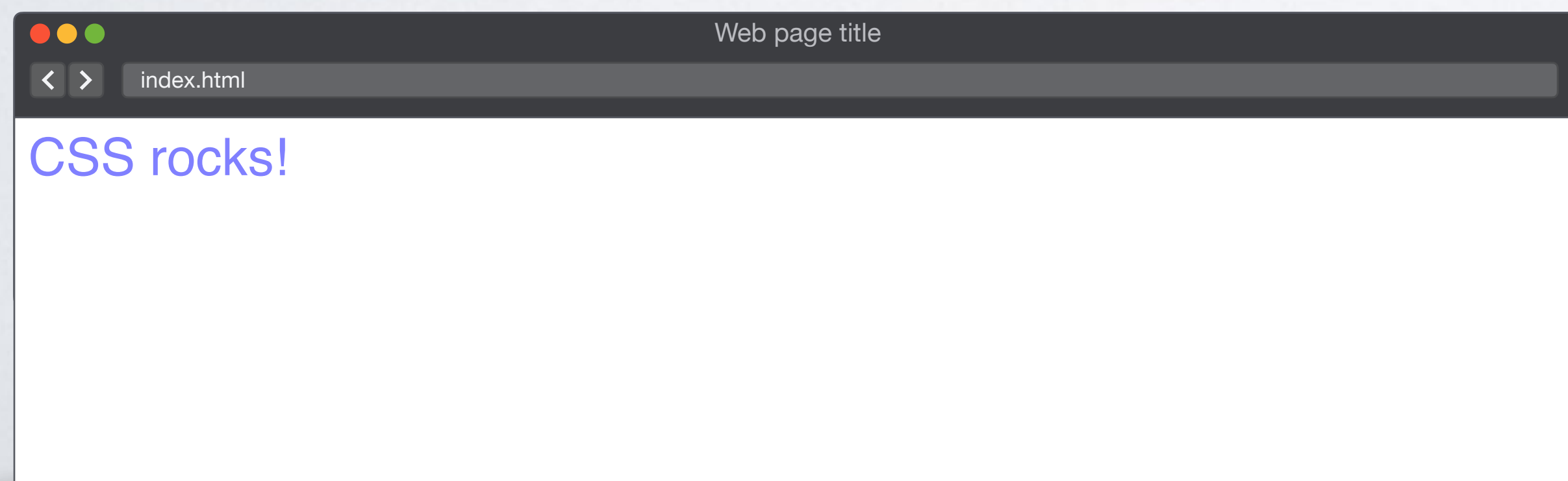
## HTML

```
<body>  
<p>CSS rocks!</p>  
</body>
```

## CSS

```
p { color: rgba(0,0,255,0.5) }
```

## Browser



**NAMED  
COLORS**

**HEX  
COLORS**

**RGB/RGBA  
COLORS**


**HSL/HSLA  
COLORS**



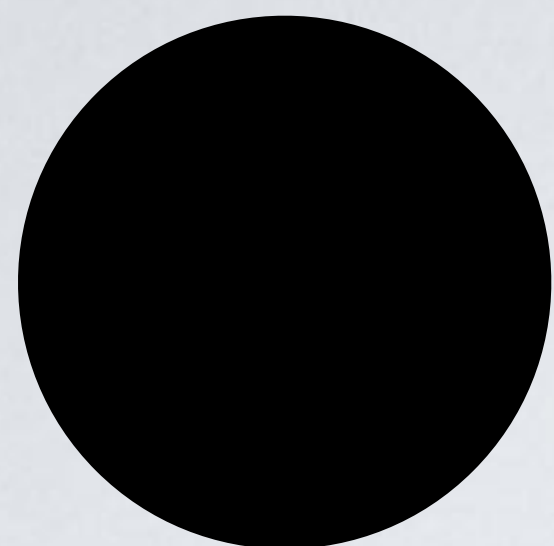
# HSL/HSLA COLORS

`p { color: hsl(240, 100%, 50%) }`

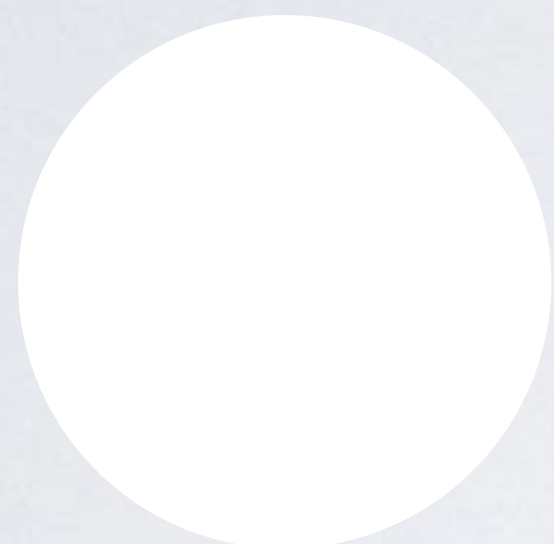
Hue      Saturation      Lightness



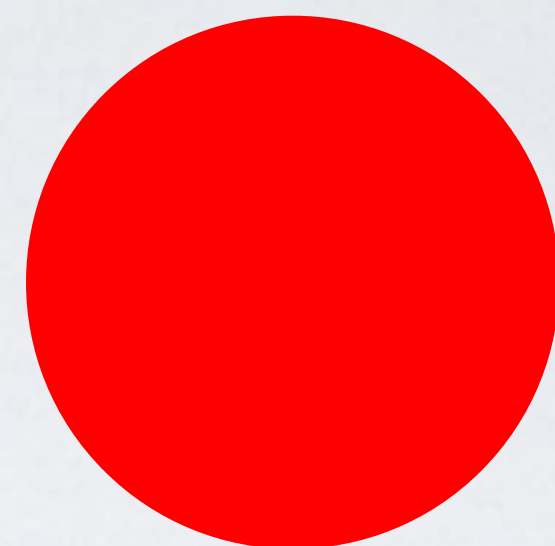
# HSL/HSLA COLORS



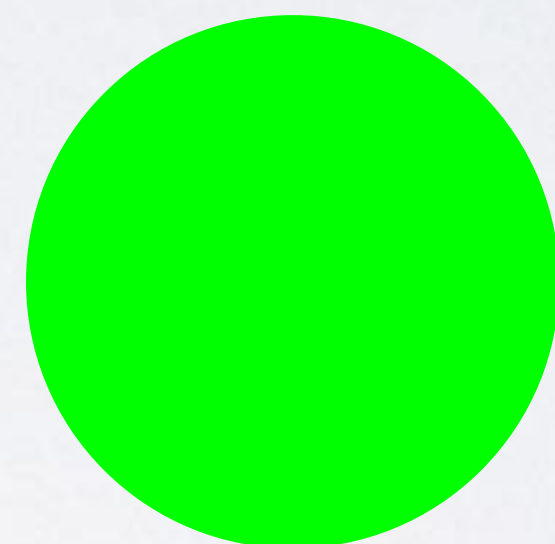
`hsl(0, 0%, 0%)`



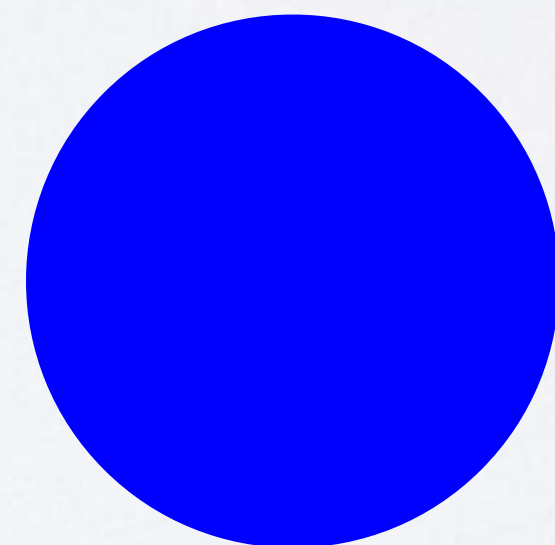
`hsl(0, 0%, 100%)`



`hsl(0, 100%, 50%)`



`hsl(120, 100%, 50%)`



`hsl(240, 100%, 50%)`



# HSL/HSLA COLORS

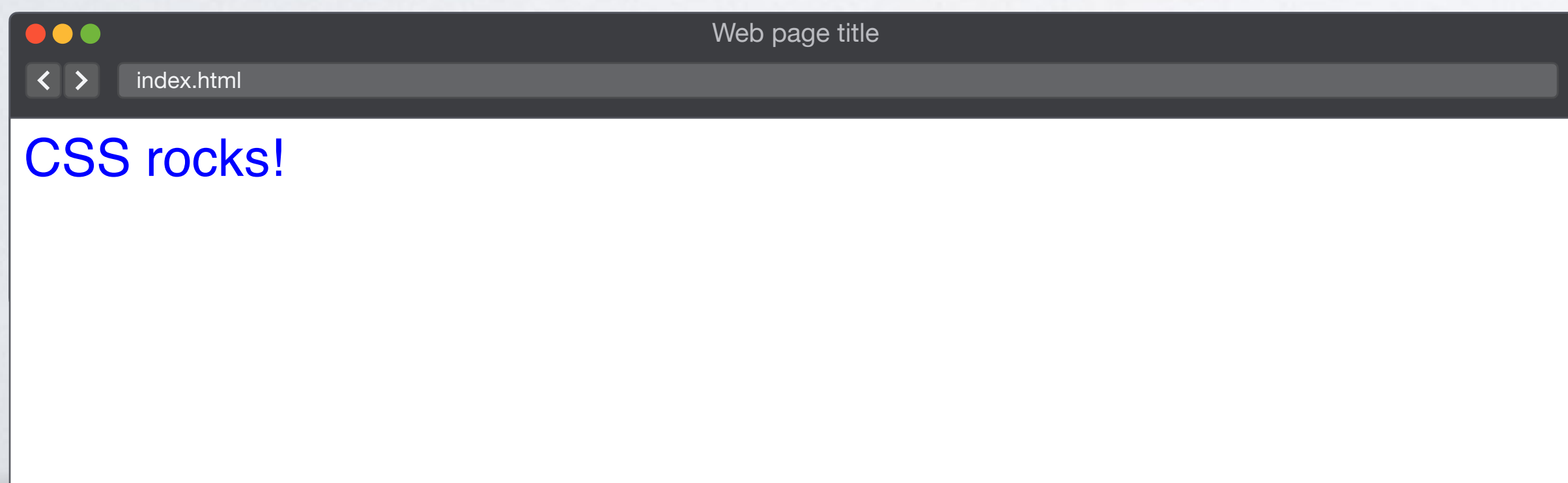
## HTML

```
<body>  
<p>CSS rocks!</p>  
</body>
```

## CSS

```
p { color: hsl(240,100%,50%) }
```

## Browser



# HSL/HSLA COLORS

```
p { color: hsla(240, 100%, 50%, 0.5) }
```

Alpha  
(transparency)



1



0

---

With this code all paragraphs are shown in blue with 50% transparency.



# HSL/HSLA COLORS

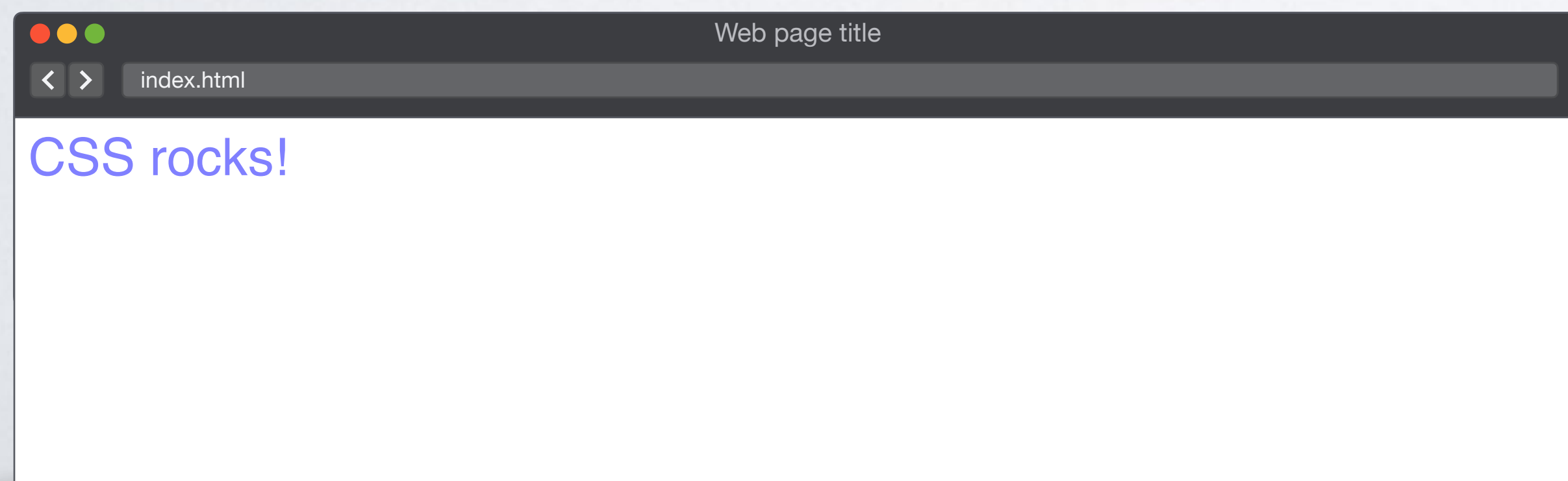
## HTML

```
<body>  
<p>CSS rocks!</p>  
</body>
```

## CSS

```
p { color: hsla(240,100%,50%,0.5) }
```

## Browser





# TOOLS

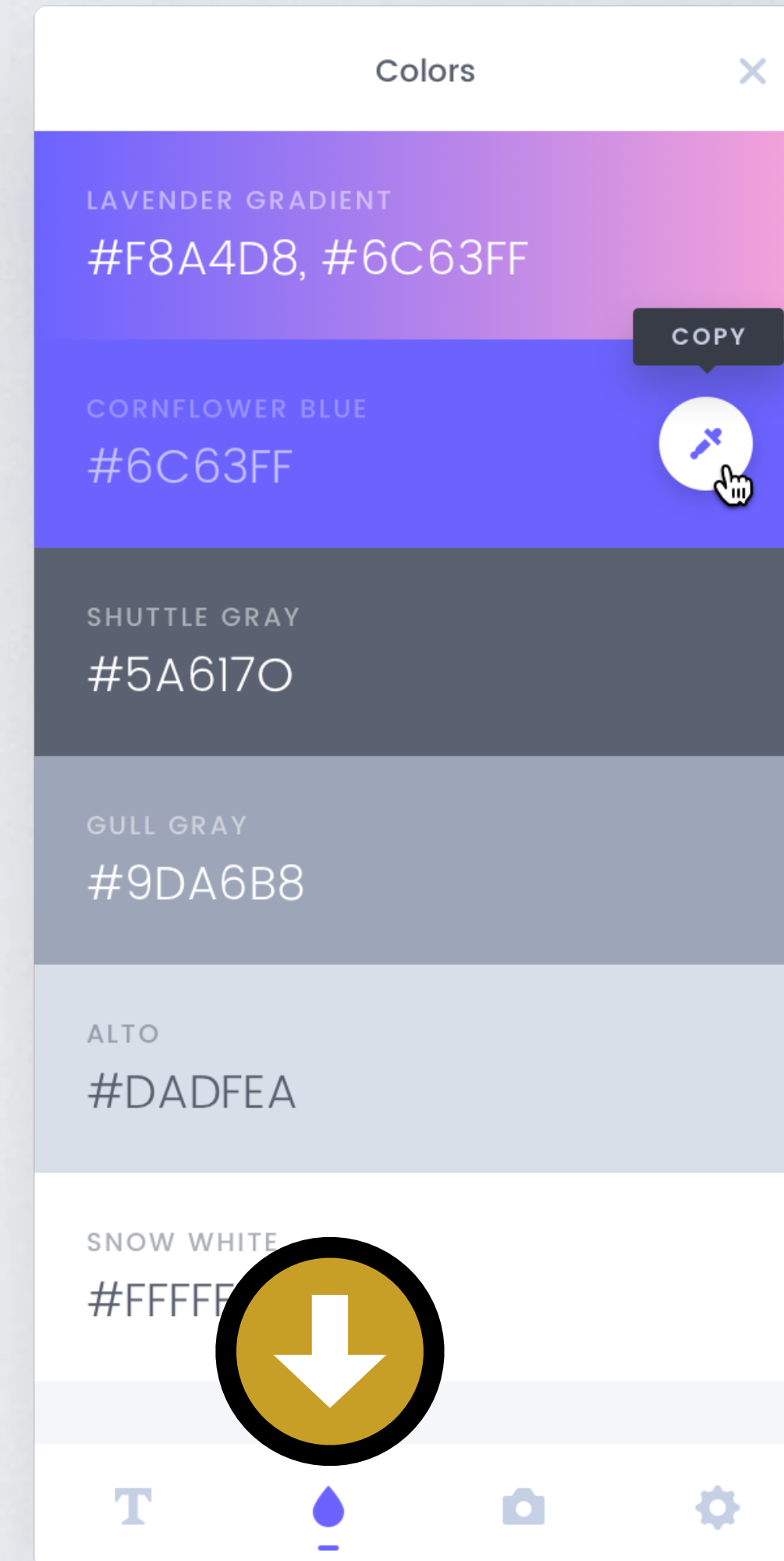
~ ~ ~





## CSS Peeper

Inspect a color palette used on a website.



**RapidTables**

Home > Conversion > Color conversion

## Color conversion

Color code converter. Color codes chart. Color conversions.

### Color code converter

HEX value is 6 digits (rrggbb).  
RGB values are in range of 0..255.  
HSV values are in range of Hue:0..359°, Saturation:0..100%, Value:0..100%.  
HSL values are in range of Hue:0..359°, Saturation:0..100%, Lightness:0..100%.  
Enter one color code and press the *Convert* button:

Hex (#):

RGB (R,G,B):

HSV (H,S,V):  °,  %,  %

HSL (H,S,L):  °,  %,  %

Color preview:

### Color codes chart

Hex / RGB / HSV / HSL:

Color	Color name	Hex	(R,G,B)	(H,S,V)	(H,S,L)
■	Black	#000000	(0,0,0)	(0°,0%,0%)	(0°,0%,0%)

### CONVERSION

- Color conversion
- Electric charge conversion
- Energy conversion
- Frequency conversion
- Image conversion
- Length conversion
- Number conversion
- Power conversion
- Temperature conversion
- Voltage conversion
- Weight conversion
- Electrical calculation

### RAPID TABLES

- Recommend Site
- Send Feedback
- About



The screenshot shows the Impalette website interface. At the top left, there are 'Sign Up' and 'Sign In' buttons. The logo 'Impalette' is at the top right, with navigation links for 'HOME', 'EXAMPLES', and 'CONTACT'. Below the navigation is a 'WELCOME TO IMPALETTE' section with a brief instruction: 'Enter a link to an image in this form to scan to find the most dominant Pantone colors (and their related colors) in your image.'

The main form area is divided into two columns. The left column contains the following elements:

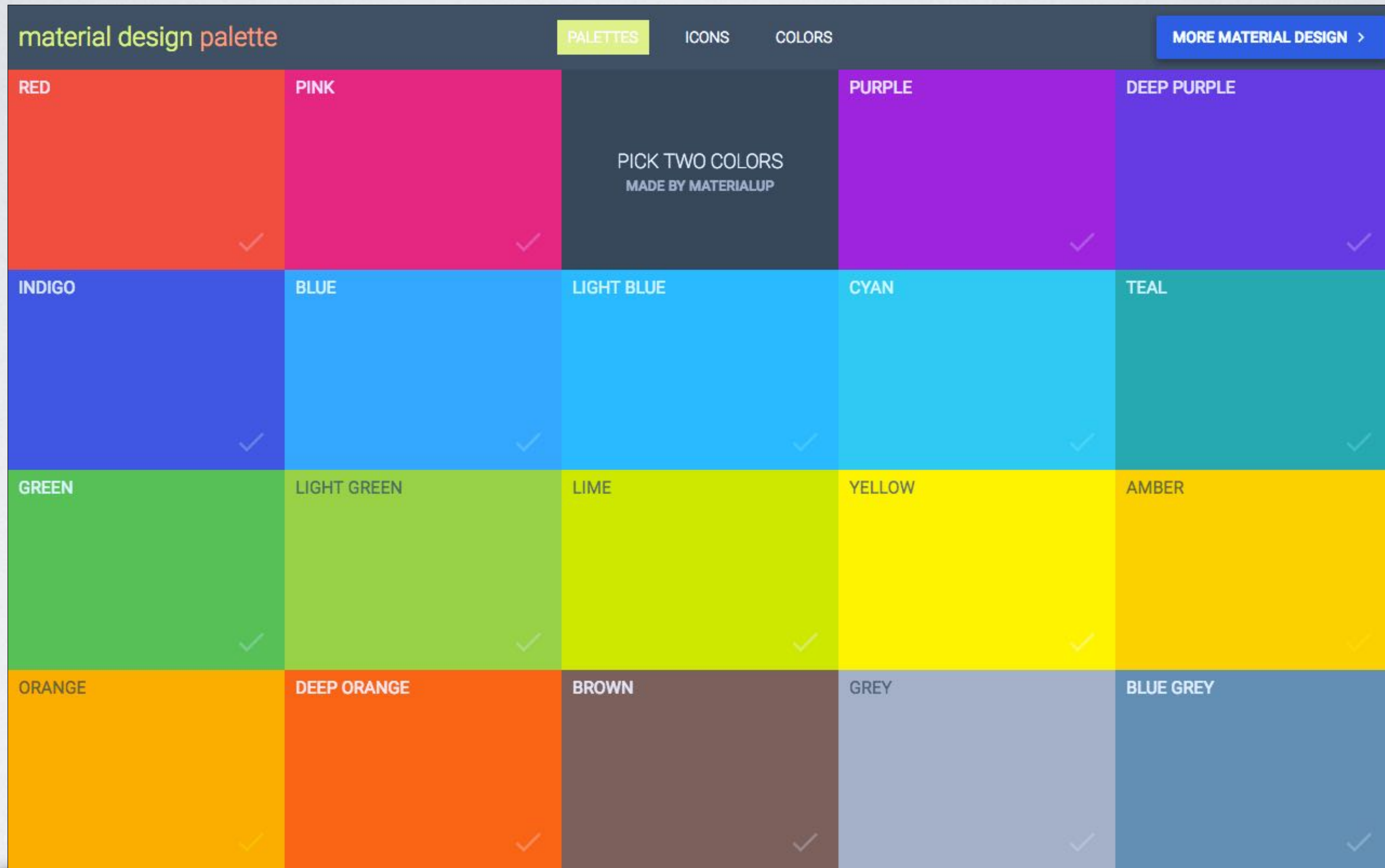
- Palette:** A dropdown menu currently set to 'Pantone Solid C'.
- Link:** A text input field containing 'http://i.imgur.com/onyaHpi.jpg'.
- File Upload:** A button labeled 'Choose File' and a status indicator 'No file chosen'.
- Paired Color Offset Amount (1-160):** A text input field with the value '30'.
- Brightness Range:** A horizontal slider control.
- Saturation Range:** A horizontal slider control.
- Scan:** A green button to initiate the scan.

The right column contains the following text:

- How to Use It:** A heading followed by the text: 'Either upload a file or submit a link from the web. Once you've selected your image, use the brightness, saturation, and offset sliders to fine tune your palette.'
- Palette:** A sub-heading followed by the text: 'This is the target color palette - all colors that are returned will be in this palette.'
- Paired Color Offset Amount:** A sub-heading followed by the text: 'Paired color offset is the angle away from the primary to the left and the right of that color on the color wheel. A value of 180 will get you colors opposite of the primary color.'
- Brightness Range:** A sub-heading followed by the text: 'This slider allows you to only sample bright or dark colors from the image - it may take a few tries to capture the brightness you want.'
- Saturation Range:** A sub-heading followed by the text: 'Sliding this control to the left will remove colors with low saturation while sliding it to the right will include more saturated colors.'

A dark grey callout box with a white border and a pointer pointing to the 'Scan' button contains the text: 'Find the most dominant color in an image'.

# TOOLS: MATERIAL DESIGN PALETTE





# TOOLS: BRANDS IN COLOURS

## Brands in colours

A simple brands colour reference for your design and coding projects using Sass variables.  
Learn a bit about this on the [GitHub project page](#) or just [grab the .sass file](#).

Sort by **Name** **Colour** **Randomly**

<b>Adobe</b> \$adobe-bic #FF0000 rgb(255,0,0)	<b>Airbnb</b> \$airbnb-bic #FF5A5F rgb(255,90,95)	<b>Behance</b> \$behance-bic #1769FF rgb(23,105,255)	<b>Dailymotion</b> \$dailymotion-bic #0066DC rgb(0,100,220)	<b>Dribbble</b> \$dribbble-bic #EA4C89 rgb(234,76,137)
<b>Dropbox</b> \$dropbox-bic #007EE5 rgb(0,126,229)	<b>Evernote</b> \$evernote-bic #6FB536 rgb(111,181,54)	<b>Evernote alternate</b> \$evernote-alt-bic #20C05C rgb(32,192,92)	<b>Facebook</b> \$facebook-bic #3B5998 rgb(59,89,152)	<b>Flickr</b> \$flickr-bic #0063DD rgb(0,99,221)
<b>Flickr Secondary</b> \$flickr-2-bic #FF0085 rgb(255,0,133)	<b>Foursquare</b> \$foursquare-bic #0072B1 rgb(0,114,177)	<b>GitHub</b> \$github-bic #171516 rgb(23,21,22)	<b>Google+</b> \$googleplus-bic #DD4B39 rgb(221,75,57)	<b>IMDB</b> \$imdb-bic #E6B91E rgb(230,185,30)
<b>Instagram</b> \$instagram-bic #E4405F rgb(228,64,95)	<b>Instagram Old</b> \$instagram-old-bic #3F729B rgb(63,114,155)	<b>LinkedIn</b> \$linkedin-bic #0976B4 rgb(9,118,180)	<b>Medium</b> \$medium-bic #00AB6C rgb(0,171,108)	<b>Netflix</b> \$netflix-bic #E50914 rgb(229,9,20)
<b>PayPal "pal"</b> \$paypal-pal-bic #0079C1 rgb(0,121,193)	<b>PayPal "pay"</b> \$paypal-pay-bic #00457C rgb(0,69,124)	<b>Periscope</b> \$periscope-bic #40A4C4 rgb(64,164,196)	<b>Pinterest</b> \$pinterest-bic #CD1D1F rgb(205,29,31)	<b>Quora</b> \$quora-bic #BC2016 rgb(188,32,22)



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# Color



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