

Converting Colors

RGB(68, 217, 152)

Have a look what the booklet for
RGB(68, 217, 152) contains.

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Color

RGB(68, 217, 152)

Conversions

Conversions Part 1

Format	Color
Hex	44D998
RGB	68, 217, 152
RGB Percent	27%, 85%, 60%
CMY	0.7333, 0.1490, 0.4039
CMYK	0.69, 0.00, 0.30, 0.15
HSL	154°, 66%, 56%
HSV	154°, 69%, 85%
XYZ	32.8642, 53.1217, 38.2271
YIQ	165.0390, -67.9390, -51.8030

Conversions

Conversions Part 2

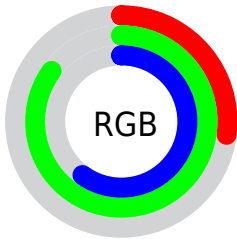
Format	Color
RYB	68, 163, 217
Decimal	4512152
CIELab	77.95, -54.00, 20.89
CIELCh	78, 57.902, 158.856
Yxy	53.1217, 0.2646, 0.4277
Android (android.graphics.Color)	4282702232 (0xFF44D998)
YUV	165.0390, -6.4282, -85.1032
Hunter-Lab	72.8846, -47.0610, 19.9223

Details

The RGB color **68, 217, 152** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **217, 68, 133**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **133, 255, 207**, and **0, 161, 101** is the 20% darker color. If you saturate the color by 10%, you get **46, 217, 143**, and if you desaturate by 10%, it is **90, 217, 161**.

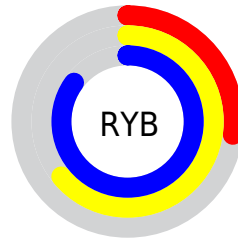
Distribution



Red (27%)

Green (85%)

Blue (60%)



Red (27%)

Yellow (64%)

Blue (85%)

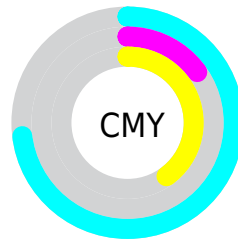


Cyan (69%)

Magenta (0%)

Yellow (30%)

Black (15%)



Cyan (73%)

















Magenta (15%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RGB color 68, 217, 152 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 68, 217, 152 by changing the saturation by 10% instead.

 68, 217, 152	 68, 217, 152
 255, 255, 255	 21, 189, 126
 133, 255, 207	 0, 161, 101
 163, 255, 235	 0, 134, 76
 194, 255, 255	 0, 108, 53
 224, 255, 255	 0, 82, 31
 254, 255, 255	 0, 58, 9
	 0, 35, 0
	 0, 0, 0

 68, 217, 152	 68, 217, 152
--	--

■ 46, 217, 143

■ 90, 217, 161

■ 25, 217, 133

■ 111, 217, 171

■ 3, 217, 124

■ 133, 217, 180

■ 0, 217, 122

■ 155, 217, 190

■ 177, 217, 199

■ 198, 217, 209

■ 220, 217, 218

■ 242, 217, 228

■ 255, 217, 237

Harmonies

Analogous

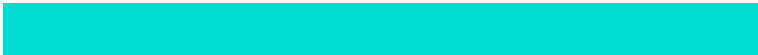
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



151, 209, 105



68, 217, 152



0, 220, 208

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68, 217, 152



128, 193, 255



255, 157, 128

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68, 217, 152



217, 68, 133

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 146, 179



68, 217, 152



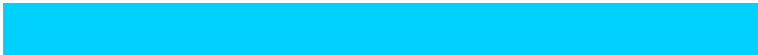
218, 172, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68, 217, 152



0, 209, 255



255, 153, 233



255, 176, 91

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 217, 152



0, 219, 243



255, 153, 233



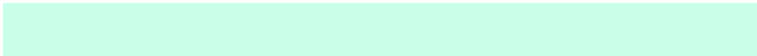
255, 152, 144

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68, 217, 152



201, 255, 232



135, 217, 68



96, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 217, 152



46, 255, 164



68, 210, 217



99, 110, 105



0, 173, 98



0, 46, 26

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



217, 68, 133



255, 46, 137



217, 75, 68



110, 99, 103



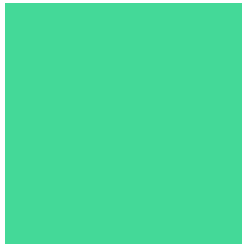
173, 0, 76



46, 0, 20

Previews

White Background



This preview shows how the RGB color 68, 217, 152 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 68, 217, 152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

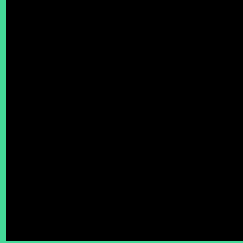
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 68, 217, 152 Background



This preview shows how black text looks on a background with the RGB color 68, 217, 152.

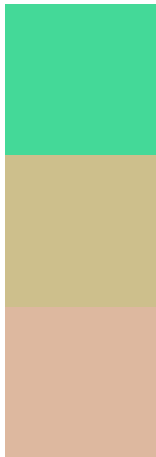


This preview shows how white text looks on a background with the RGB color 68, 217, 152.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

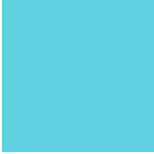
Dichromacy



Original Color
68, 217, 152

Protanopia
205, 191, 140

Deuteranopia
221, 184, 159



Tritanopia
97, 208, 225

Trichromacy



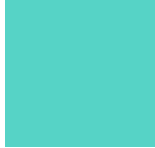
Original Color
68, 217, 152



Protanomaly
155, 200, 144



Deuteranomaly
165, 196, 156



Tritanomaly
86, 211, 198

Monochromacy



Original Color
68, 217, 152



Achromatopsia
165, 165, 165



Achromatomaly
130, 184, 160

CSS Examples

Text

The CSS property to change the color of the text to RGB 68, 217, 152 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(68, 217, 152)` looks like.

```
.text, #text, p{  
    color:rgb(68, 217, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(68, 217, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 217, 152) }
```

Border

The CSS property to change the border of an element to RGB 68, 217, 152 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 217, 152) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(68, 217, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(68, 217, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 217, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 217, 152);  
box-shadow:4px 4px 4px 4px rgb(68, 217,  
152) }
```

Background

The CSS property to change the background color of an element to RGB 68, 217, 152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 217, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(68, 217,  
152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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