Converting Colors

RGB(68, 202, 211)

Have a look what the booklet for RGB(68, 202, 211) contains.

Color

RGB(68, 202, 211)

Conversions

Conversions Part 1

Format	Color
Hex	44CAD3
RGB	68, 202, 211
RGB Percent	27%, 79%, 83%
CMY	0.7333, 0.2078, 0.1725
CMYK	0.68, 0.04, 0.00, 0.17
HSL	184°, 62%, 55%
HSV	184°, 68%, 83%
XYZ	35.2623, 48.1732, 69.0678
YIQ	162.9600, -82.7530, -25.6090

Conversions

Conversions Part 2

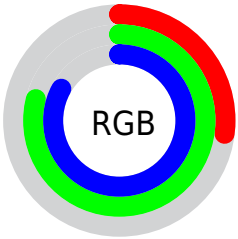
Format	Color
RYB	68, 137, 211
Decimal	4508371
CIELab	74.93, -32.68, -15.06
CIELCh	75, 35.985, 204.743
Yxy	48.1732, 0.2312, 0.3159
Android (android.graphics.Color)	4282698451 (0xFF44CAD3)
YUV	162.9600, 23.6837, -83.2799
Hunter-Lab	69.4069, -30.7748, -10.4156

Details

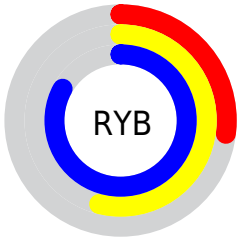
The RGB color 68, 202, 211 is a light color, and the websafe version is hex 33CCCC. The color can be described as light muted cyan. A complement of this color would be 211, 77, 68, and the grayscale version is 163, 163, 163.

A 20% lighter version of the original color is 134, 255, 255, and 0, 147, 157 is the 20% darker color. If you saturate the color by 10%, you get 47, 201, 211, and if you desaturate by 10%, it is 89, 203, 211.

Distribution

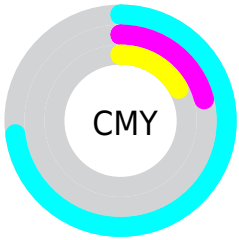


- Red (27%)
- Green (79%)
- Blue (83%)



- Red (27%)
- Yellow (54%)
- Blue (83%)

- Cyan (68%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)



- Cyan (73%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RGB color 68, 202, 211 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, 202, 211 by changing the saturation by 10% instead.

68, 202, 211

255, 255, 255

134, 255, 255

165, 255, 255

195, 255, 255

225, 255, 255

68, 202, 211

18, 174, 183

0, 147, 157

0, 121, 130

0, 96, 105

0, 72, 81

0, 48, 58

0, 27, 37

0, 1, 15

0, 0, 0

68, 202, 211

47, 201, 211

26, 199, 211

5, 198, 211

0, 198, 211

68, 202, 211

89, 203, 211

110, 205, 211

131, 206, 211

152, 207, 211

173, 209, 211

195, 210, 211

216, 211, 211

237, 213, 211

255, 214, 211

Harmonies

Analogous

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

100, 202, 177

68, 202, 211

81, 198, 238

Triad

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

68, 202, 211

221, 167, 223

212, 180, 118

Complementary

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

68, 202, 211

211, 77, 68

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.

238, 169, 132

68, 202, 211

245, 160, 192

Square

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

68, 202, 211

181, 178, 244

250, 161, 158

179, 191, 123

Rectangle

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

68, 202, 211

112, 193, 248

250, 161, 158

222, 177, 121

Sweetspot

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

68, 202, 211

204, 252, 255

68, 211, 75

97, 126, 128

0, 0, 0

128, 128, 128

Same Dimension

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

68, 202, 211

48, 242, 255

68, 132, 211

94, 104, 105

0, 158, 168

0, 38, 41

Inverse Universe

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

211, 68, 202

255, 48, 242

211, 147, 68

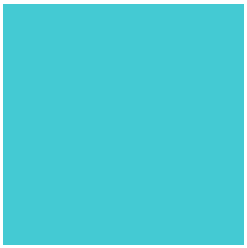
105, 94, 104

168, 0, 158

41, 0, 38

Previews

White Background

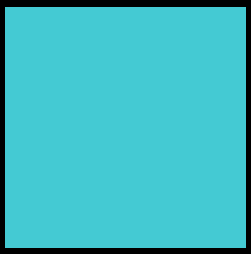


This preview shows how the RGB color 68, 202, 211 looks on a white background.

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



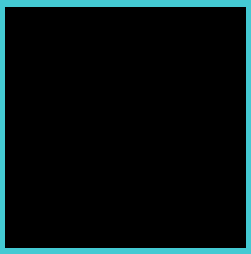
This preview shows how the RGB color 68, 202, 211 looks on a black background.

Color Contrast Check

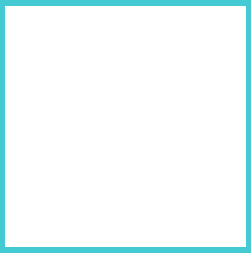
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 68, 202, 211 Background



This preview shows how black text looks on a background with the RGB color 68, 202, 211.



This preview shows how white text looks on a background with the RGB color 68, 202, 211.

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

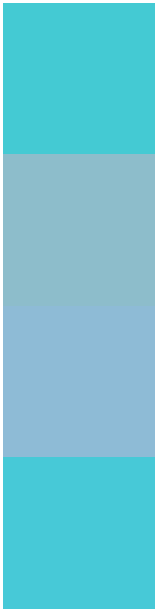
Original Color
68, 202, 211

Protanopia
182, 182, 198

Deuteranopia
185, 179, 216

Tritanopia
72, 201, 217

Trichromacy



Original Color
68, 202, 211

Protanomaly
141, 189, 203

Deuteranomaly
142, 187, 214

Tritanomaly
71, 201, 215

Monochromacy

Original Color
68, 202, 211

Achromatopsia
163, 163, 163

Achromatomaly
128, 177, 180

CSS Examples

Text

The CSS property to change the color of the text to RGB 68, 202, 211 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, 202, 211) looks like.

```
.text, #text, p{
    color:rgb(68, 202, 211)
}
```

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, 202, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 202, 211) }
```

Border

The CSS property to change the border of an element to RGB 68, 202, 211 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, 202, 211) }
```

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

```
.border{ border-color:rgb(68, 202, 211) }
```

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

Here you see how a box with a 4 pixel rgb(68, 202, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(68, 202, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(68, 202, 211); box-shadow:4px 4px 4px 4px rgb(68, 202, 211) }
```

Background

The CSS property to change the background color of an element to RGB 68, 202, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(68, 202, 211) }
```

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

```
.background{ background-color:rgb(68, 202,
211) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor