

Converting Colors

RGB(50, 204, 170)

Have a look what the booklet for
RGB(50, 204, 170) contains.

RGB(50, 204, 170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(50, 204, 170)

Conversions

Conversions Part 1

Format	Color
Hex	32CCAA
RGB	50, 204, 170
RGB Percent	20%, 80%, 67%
CMY	0.8039, 0.2000, 0.3333
CMYK	0.75, 0.00, 0.17, 0.20
HSL	167°, 61%, 50%
HSV	167°, 75%, 80%
XYZ	30.1640, 46.7661, 45.4672
YIQ	154.0780, -80.8700, -43.2220

Conversions

Conversions Part 2

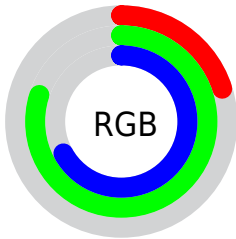
Format	Color
RYB	50, 137, 204
Decimal	3329194
CIELab	74.04, -47.05, 5.75
CIELCh	74, 47.402, 173.030
Yxy	46.7661, 0.2464, 0.3821
Android (android.graphics.Color)	4281519274 (0xFF32CCAA)
YUV	154.0780, 7.8495, -91.2764
Hunter-Lab	68.3858, -40.9413, 8.4503

Details

The RGB color **50, 204, 170** 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 **204, 50, 84**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **120, 255, 225**, and **0, 149, 118** is the 20% darker color. If you saturate the color by 10%, you get **30, 204, 165**, and if you desaturate by 10%, it is **70, 204, 175**.

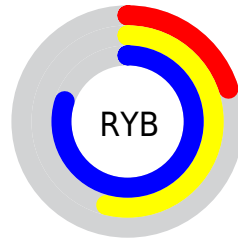
Distribution



Red (20%)

Green (80%)

Blue (67%)



Red (20%)

Yellow (54%)

Blue (80%)

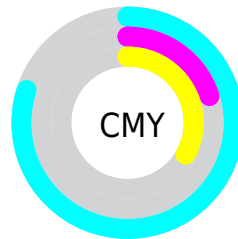


Cyan (75%)

Magenta (0%)

Yellow (17%)

Black (20%)



Cyan (80%)

















Magenta (20%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RGB color 50, 204, 170 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 50, 204, 170 by changing the saturation by 10% instead.

 50, 204, 170	 50, 204, 170
 255, 255, 255	 0, 176, 144
 120, 255, 225	 0, 149, 118
 151, 255, 254	 0, 122, 93
 181, 255, 255	 0, 96, 70
 212, 255, 255	 0, 72, 47
 242, 255, 255	 0, 48, 27
	 0, 23, 0
	 0, 0, 0

 50, 204, 170  50, 204, 170

■ 30, 204, 165

■ 70, 204, 175

■ 9, 204, 161

■ 91, 204, 179

■ 0, 204, 159

■ 111, 204, 184

■ 132, 204, 188

■ 152, 204, 193

■ 172, 204, 197

■ 193, 204, 202

■ 213, 204, 206

■ 234, 204, 211

Harmonies

Analogous

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



124, 199, 128



50, 204, 170



0, 204, 215

Triad

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



50, 204, 170



170, 175, 255



250, 160, 114

Complementary

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



50, 204, 170



204, 50, 84

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, 149, 150



50, 204, 170



227, 158, 235

Square

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



50, 204, 170



88, 190, 255



255, 147, 194



218, 176, 94

Rectangle

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



50, 204, 170



0, 202, 240



255, 147, 194



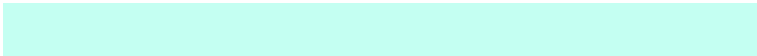
255, 156, 125

Sweetspot

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



50, 204, 170



196, 255, 242



86, 204, 50



92, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



50, 204, 170



23, 255, 204



50, 163, 204



92, 102, 100



0, 166, 129



0, 38, 30

Inverse Universe

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



204, 50, 84



255, 23, 74



204, 91, 50



102, 92, 94



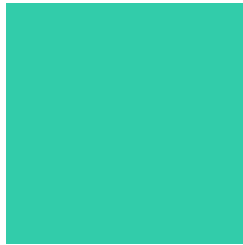
166, 0, 37



38, 0, 8

Previews

White Background



This preview shows how the RGB color 50, 204, 170 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 50, 204, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

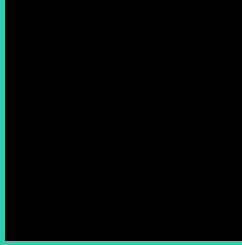
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

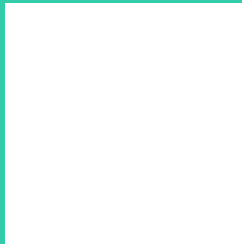
Any Text WCAG AAA ✓ Pass

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

RGB 50, 204, 170 Background



This preview shows how black text looks on a background with the RGB color 50, 204, 170.

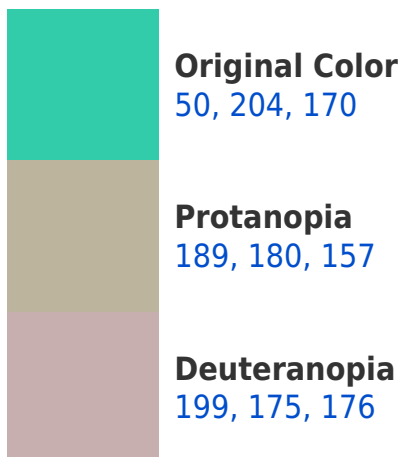


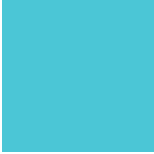
This preview shows how white text looks on a background with the RGB color 50, 204, 170.

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





Tritanopia
75, 198, 214

Trichromacy



Original Color

50, 204, 170



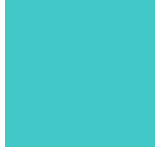
Protanomaly

138, 189, 162



Deuteranomaly

145, 186, 174



Tritanomaly

66, 200, 198

Monochromacy



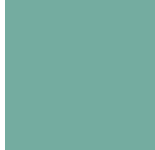
Original Color

50, 204, 170



Achromatopsia

154, 154, 154



Achromatomaly

116, 172, 160

CSS Examples

Text

The CSS property to change the color of the text to RGB 50, 204, 170 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(50, 204, 170)` looks like.

```
.text, #text, p{  
    color:rgb(50, 204, 170)  
}
```

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(50, 204, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 204, 170) }
```

Border

The CSS property to change the border of an element to RGB 50, 204, 170 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(50, 204, 170) }
```

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

```
.border{ border-color:rgb(50, 204, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 204, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 204, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 204, 170);  
box-shadow:4px 4px 4px 4px rgb(50, 204,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 50, 204, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 204, 170) }
```

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

```
.background{ background-color: rgb(50, 204,  
170) }
```

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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