

Converting Colors

RGB(33, 203, 212)

Have a look what the booklet for
RGB(33, 203, 212) contains.

RGB(33, 203, 212)	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(33, 203, 212)

Conversions

Conversions Part 1

Format	Color
Hex	21CBD4
RGB	33, 203, 212
RGB Percent	13%, 80%, 83%
CMY	0.8706, 0.2039, 0.1686
CMYK	0.84, 0.04, 0.00, 0.17
HSL	183°, 73%, 48%
HSV	183°, 84%, 83%
XYZ	33.8668, 47.7887, 69.7265
YIQ	153.1960, -104.2090, -33.2410

Conversions

Conversions Part 2

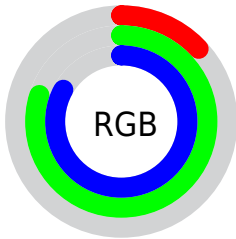
Format	Color
R_{YB}	33, 120, 212
Decimal	2214868
CIE _{Lab}	74.69, -36.44, -16.02
CIE _{LCh}	75, 39.807, 203.738
Yxy	47.7887, 0.2237, 0.3157
Android (android.graphics.Color)	4280404948 (0xFF21CBD4)
YUV	153.1960, 28.9904, -105.4119
Hunter-Lab	69.1294, -33.5284, -11.4116

Details

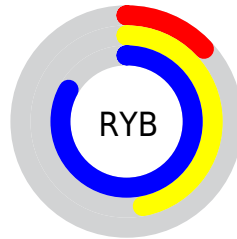
The RGB color **33, 203, 212** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **212, 42, 33**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **115, 255, 255**, and **0, 148, 157** is the 20% darker color. If you saturate the color by 10%, you get **12, 202, 212**, and if you desaturate by 10%, it is **54, 204, 212**.

Distribution



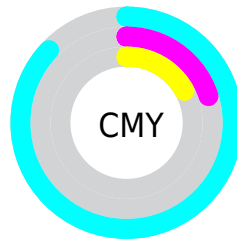
- Red (13%)
- Green (80%)
- Blue (83%)



- Red (13%)
- Yellow (47%)
- Blue (83%)



- Cyan (84%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)




















- Cyan (87%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 203, 212 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 33, 203, 212 by changing the saturation by 10% instead.

 33, 203, 212	 33, 203, 212
 255, 255, 255	 0, 175, 184
 115, 255, 255	 0, 148, 157
 148, 255, 255	 0, 122, 131
 179, 255, 255	 0, 97, 106
 210, 255, 255	 0, 72, 82
 242, 255, 255	 0, 49, 59
	 0, 26, 37
	 0, 1, 16
	 0, 0, 0

■ 33, 203, 212

■ 33, 203, 212

■ 12, 202, 212

■ 54, 204, 212

■ 0, 201, 212

■ 75, 205, 212

■ 97, 206, 212

■ 118, 207, 212

■ 139, 208, 212

■ 160, 209, 212

■ 181, 210, 212

■ 203, 212, 212

■ 224, 213, 212

Harmonies

Analogous

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



87, 203, 175



33, 203, 212



51, 199, 242

Triad

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



33, 203, 212



223, 164, 228



215, 179, 111

Complementary

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



33, 203, 212



212, 42, 33

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.



242, 166, 126



33, 203, 212



249, 156, 193

Square

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



33, 203, 212



177, 177, 251



255, 157, 156



178, 191, 115

Rectangle

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



33, 203, 212



95, 193, 253



255, 157, 156



225, 175, 114

Sweetspot

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



33, 203, 212



191, 252, 255



33, 212, 42



89, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



33, 203, 212



0, 242, 255



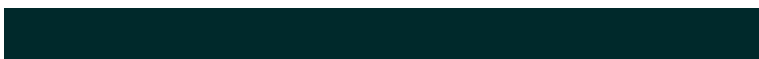
33, 114, 212



96, 107, 107



0, 162, 171



0, 41, 43

Inverse Universe

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



212, 33, 203



255, 0, 242



212, 131, 33



107, 96, 107



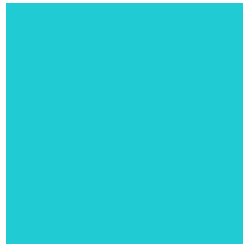
171, 0, 162



43, 0, 41

Previews

White Background



This preview shows how the RGB color 33, 203, 212 looks on a white background.

Color Contrast Check

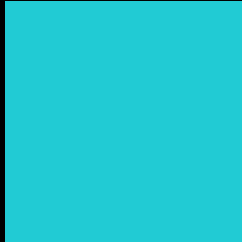
Large Text (above 18pt) WCAG AA × Fail

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 33, 203, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

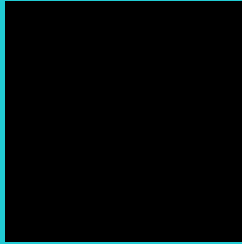
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

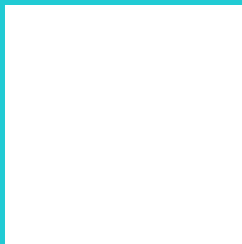
Any Text WCAG AAA ✓ Pass

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

RGB 33, 203, 212 Background



This preview shows how black text looks on a background with the RGB color 33, 203, 212.

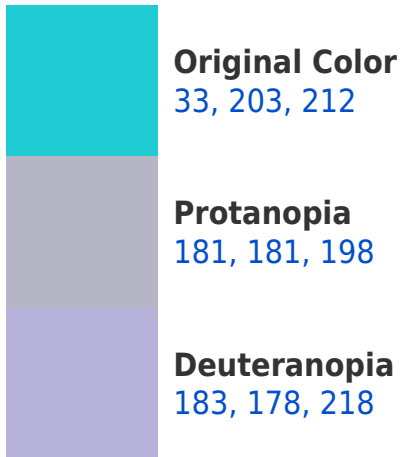


This preview shows how white text looks on a background with the RGB color 33, 203, 212.

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
41, 202, 218

Trichromacy



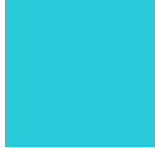
Original Color
33, 203, 212



Protanomaly
127, 189, 203



Deuteranomaly
128, 187, 216



Tritanomaly
38, 202, 216

Monochromacy



Original Color
33, 203, 212



Achromatopsia
153, 153, 153



Achromatomaly
109, 171, 174

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 203, 212 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(33, 203, 212)` looks like.

```
.text, #text, p{  
    color:rgb(33, 203, 212)  
}
```

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(33, 203, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 203, 212) }
```

Border

The CSS property to change the border of an element to RGB 33, 203, 212 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(33, 203, 212) }
```

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

```
.border{ border-color:rgb(33, 203, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 203, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 203, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 203, 212);  
box-shadow:4px 4px 4px 4px rgb(33, 203,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 33, 203, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 203, 212) }
```

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

```
.background{ background-color: rgb(33, 203,  
212) }
```

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