

# Converting Colors

RGB(35, 200, 202)

Have a look what the booklet for  
RGB(35, 200, 202) contains.

<b>RGB(35, 200, 202)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**RGB(35, 200, 202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23C8CA
RGB	35, 200, 202
RGB Percent	14%, 78%, 79%
CMY	0.8627, 0.2157, 0.2078
CMYK	0.83, 0.01, 0.00, 0.21
HSL	181°, 70%, 46%
HSV	181°, 83%, 79%
XYZ	32.0081, 45.9301, 63.0555
YIQ	150.8930, -98.9820, -34.3580

# Conversions

## Conversions Part 2

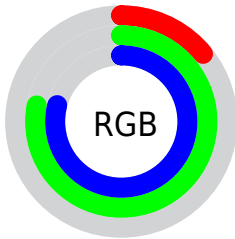
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 118, 202
Decimal	2345162
CIE <sub>Lab</sub>	73.50, -37.91, -12.40
CIE <sub>LCh</sub>	74, 39.887, 198.105
Yxy	45.9301, 0.2270, 0.3258
Android (android.graphics.Color)	4280535242 (0xFF23C8CA)
YUV	150.8930, 25.1958, -101.6382
Hunter-Lab	67.7718, -34.2965, -7.7237

# Details

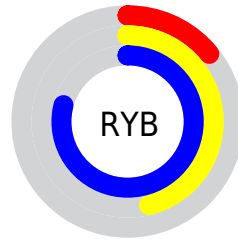
The RGB color **35, 200, 202** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **202, 37, 35**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **114, 255, 255**, and **0, 145, 148** is the 20% darker color. If you saturate the color by 10%, you get **15, 200, 202**, and if you desaturate by 10%, it is **55, 200, 202**.

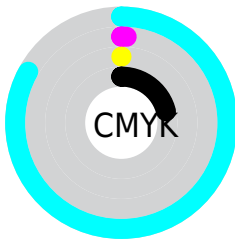
# Distribution



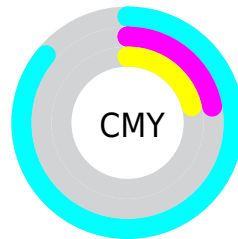
- Red (14%)
- Green (78%)
- Blue (79%)



- Red (14%)
- Yellow (46%)
- Blue (79%)



- Cyan (83%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)




















- Cyan (86%)
- Magenta (22%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 35, 200, 202 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 35, 200, 202 by changing the saturation by 10% instead.



 35, 200, 202	 35, 200, 202
 255, 255, 255	 0, 172, 175
 114, 255, 255	 0, 145, 148
 146, 255, 255	 0, 119, 122
 178, 255, 255	 0, 94, 97
 209, 255, 255	 0, 69, 74
 240, 255, 255	 0, 46, 51
	 0, 22, 30
	 0, 0, 3
	 0, 0, 0

■ 35, 200, 202

■ 35, 200, 202

■ 15, 200, 202

■ 55, 200, 202

■ 0, 200, 202

■ 75, 200, 202

■ 96, 201, 202

■ 116, 201, 202

■ 136, 201, 202

■ 156, 201, 202

■ 176, 202, 202

■ 197, 202, 202

■ 217, 202, 202

# Harmonies

## Analogous

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



93, 199, 164



35, 200, 202



30, 197, 234

# Triad

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



35, 200, 202



212, 163, 230



217, 173, 109

# Complementary

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



35, 200, 202



202, 37, 35

# 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, 161, 128



35, 200, 202



242, 154, 197

# Square

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



35, 200, 202



163, 176, 250



252, 153, 160



182, 185, 110

# Rectangle

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



35, 200, 202



78, 192, 248



252, 153, 160



227, 169, 113



# Sweetspot

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



35, 200, 202



191, 254, 255



35, 202, 35



89, 127, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



35, 200, 202



3, 252, 255



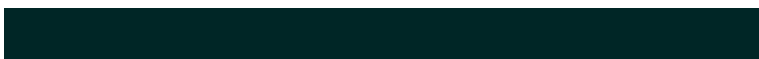
35, 119, 202



92, 102, 102



0, 164, 166



0, 38, 38



# Inverse Universe

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



202, 35, 200



255, 3, 252



202, 119, 35



102, 92, 102



166, 0, 164

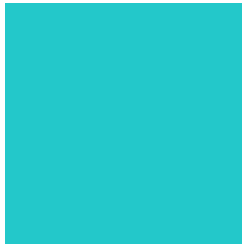


38, 0, 38



# Previews

## White Background



This preview shows how the RGB color 35, 200, 202 looks on a white background.

## Color Contrast Check

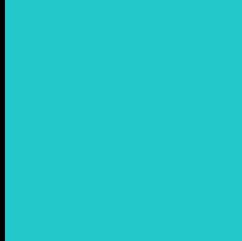
Large Text (above 18pt) WCAG AA × Fail

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 35, 200, 202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

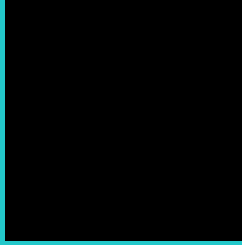
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

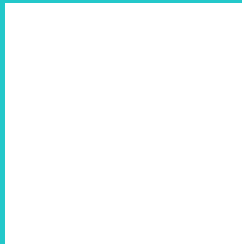
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 35, 200, 202 Background



This preview shows how black text looks on a background with the RGB color 35, 200, 202.

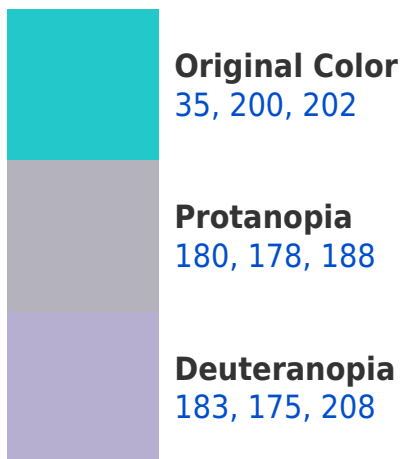


This preview shows how white text looks on a background with the RGB color 35, 200, 202.

# 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**  
47, 198, 214

# Trichromacy



**Original Color**

35, 200, 202



**Protanomaly**

127, 186, 193



**Deuteranomaly**

129, 184, 206



**Tritanomaly**

43, 199, 210

# Monochromacy



**Original Color**

35, 200, 202



**Achromatopsia**

151, 151, 151



**Achromatomaly**

109, 169, 170

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 35, 200, 202 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(35, 200, 202)` looks like.

```
.text, #text, p{  
    color:rgb(35, 200, 202)  
}
```

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(35, 200, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 200, 202) }
```

## Border

The CSS property to change the border of an element to RGB 35, 200, 202 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(35, 200, 202) }
```

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

```
.border{ border-color:rgb(35, 200, 202) }
```

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

Here you see how a box with a 4 pixel rgb(35, 200, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 200, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 200, 202);  
box-shadow:4px 4px 4px 4px rgb(35, 200,  
202) }
```

# Background

The CSS property to change the background color of an element to RGB 35, 200, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 200, 202) }
```

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

```
.background{ background-color: rgb(35, 200,  
202) }
```

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