

# Converting Colors

Hex(33CBB2)

Have a look what the booklet for  
Hex(33CBB2) contains.

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# Color

Hex(33CBB2)

# Conversions

## Conversions Part 1

Format	Color
Hex	33CBB2
RGB	51, 203, 178
RGB Percent	20%, 80%, 70%
CMY	0.8000, 0.2039, 0.3020
CMYK	0.75, 0.00, 0.12, 0.20
HSL	170°, 60%, 50%
HSV	170°, 75%, 80%
XYZ	30.7571, 46.6300, 49.4989
YIQ	154.7020, -82.5670, -39.9990

# Conversions

## Conversions Part 2

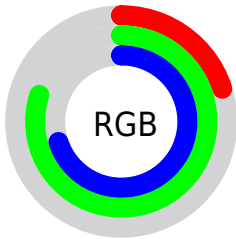
Format	Color
<a href="#">RYB</a>	<a href="#">51, 134, 203</a>
Decimal	<a href="#">3394482</a>
CIELab	<a href="#">73.95, -44.45, 1.31</a>
CIELCh	<a href="#">74, 44.473, 178.315</a>
Yxy	<a href="#">46.6300, 0.2424, 0.3675</a>
Android (android.graphics.Color)	<a href="#">4281584562</a> ( <a href="#">0xFF33CBB2</a> )
YUV	<a href="#">154.7020, 11.4859, -90.9467</a>
Hunter-Lab	<a href="#">68.2862, -39.1019, 4.8225</a>

# Details

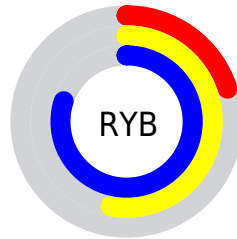
The Hex color **33CBB2** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **CB334C**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **79FFEA**, and **00947D** is the 20% darker color. If you saturate the color by 10%, you get **1FCBAF**, and if you desaturate by 10%, it is **47CBB5**.

# Distribution



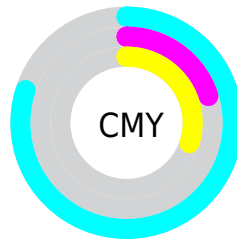
- Red (20%)
- Green (80%)
- Blue (70%)



- Red (20%)
- Yellow (53%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)



- Cyan (80%)
- Magenta (20%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33CBB2 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 Hex color 33CBB2 by changing the saturation by 10% instead.



 33CBB2

 33CBB2

FFFFFF

 00AF97

 79FFEA

 00947D

 98FFFF

 007965

 B6FFFF

 00604D

 D4FFFF

 004736

 F3FFFF

 003021

 00170A

 000000

 33CBB2

 33CBB2

 1FCBAF

 47CBB5

 0ACBAB

 5CCBB9

 00CBAA

 70CBBC

 84CBBF

 99CBC3

 ADCBC6

 C1CBC9

 D5CBCD

 EACBD0

# Harmonies

## Analogous

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



77C789



33CBB2



00CADB

# Triad

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



33CBB2



B6ACFE



F2A471

# Complementary

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



33CBB2



CB334C

# 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.



FF9891



33CBB2



E79DE1

# Square

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



33CBB2



71BBFF



FF95BA



D2B363

# Rectangle

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



33CBB2



00C7F2



FF95BA



F9A07A

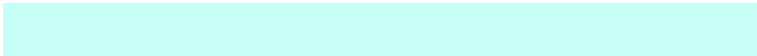


# Sweetspot

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



33CBB2



C7FFF6



4CCB33



5E807A



000000



808080



# Same Dimension

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



33CBB2



19FFD9



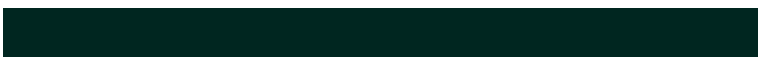
3398CB



5C6664



00A68A



002620



# Inverse Universe

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



CB334C



FF193F



CB6633



665C5D



A6001B

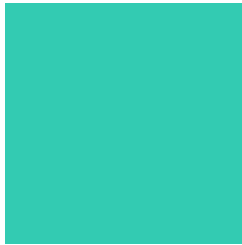


260006



# Previews

## White Background



This preview shows how the Hex color 33CBB2 looks on a white background.

## Color Contrast Check

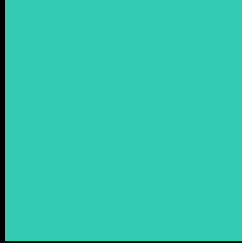
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 33CBB2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

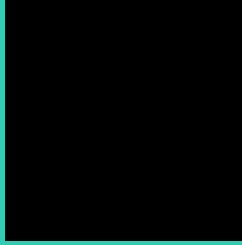
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

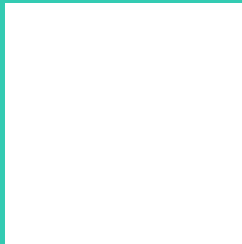
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33CBB2 Background



This preview shows how black text looks on a background with the Hex color 33CBB2.

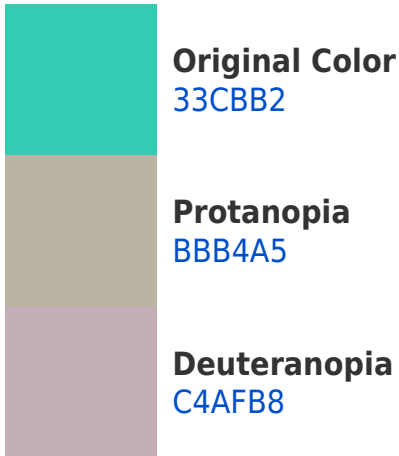


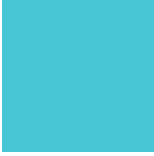
This preview shows how white text looks on a background with the Hex color 33CBB2.

# 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](#).

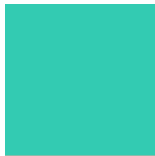
## Dichromacy





**Tritanopia**  
48C6D6

# Trichromacy



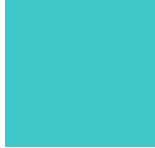
**Original Color**  
33CBB2



**Protanomaly**  
8ABCAA



**Deuteranomaly**  
8FB9B6



**Tritanomaly**  
40C8C9

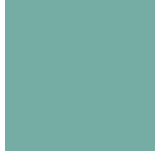
# Monochromacy



**Original Color**  
33CBB2



**Achromatopsia**  
9B9B9B



**Achromatomaly**  
75ACA3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33CBB2 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 #33CBB2 looks like.

```
.text, #text, p{  
    color:#33CBB2  
}
```

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 #33CBB2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33CBB2
}
```

## Border

The CSS property to change the border of an element to Hex 33CBB2 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
#33CBB2 }
```

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

```
.border{ border-color:#33CBB2 }
```

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

Here you see how a box with a 4 pixel #33CBB2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33CBB2; -webkit-box-shadow:4px 4px  
4px 4px #33CBB2; box-shadow:4px 4px 4px  
4px #33CBB2 }
```

# Background

The CSS property to change the background color of an element to Hex 33CBB2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33CBB2 }
```

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

```
.background{ background-color:#33CBB2 }
```

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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