

# Converting Colors

Hex(33B299)

Have a look what the booklet for  
Hex(33B299) contains.

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**Color**

**Hex(33B299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33B299
RGB	51, 178, 153
RGB Percent	20%, 70%, 60%
CMY	0.8000, 0.3020, 0.4000
CMYK	0.71, 0.00, 0.14, 0.30
HSL	168°, 55%, 45%
HSV	168°, 71%, 70%
XYZ	23.0354, 34.8445, 35.6486
YIQ	137.1770, -67.6670, -34.6990

# Conversions

## Conversions Part 2

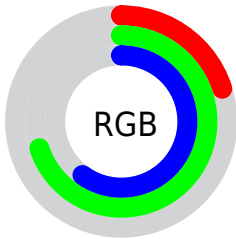
Format	Color
<a href="#">RYB</a>	<a href="#">51, 121, 178</a>
Decimal	<a href="#">3388057</a>
CIELab	<a href="#">65.63, -40.10, 2.89</a>
CIElCh	<a href="#">66, 40.209, 175.875</a>
Yxy	<a href="#">34.8445, 0.2463, 0.3726</a>
Android (android.graphics.Color)	<a href="#">4281578137 (0xFF33B299)</a>
YUV	<a href="#">137.1770, 7.8007, -75.5772</a>
Hunter-Lab	<a href="#">59.0292, -33.6438, 5.5144</a>

# Details

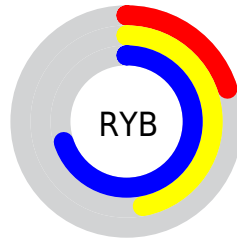
The Hex color **33B299** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **B2334C**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **73EACF**, and **007C66** is the 20% darker color. If you saturate the color by 10%, you get **21B295**, and if you desaturate by 10%, it is **45B29D**.

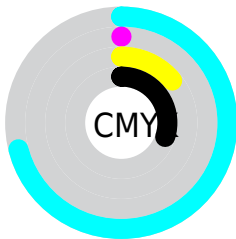
# Distribution



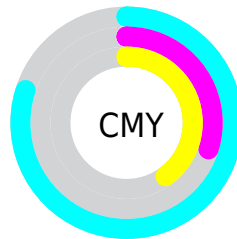
- Red (20%)
- Green (70%)
- Blue (60%)



- Red (20%)
- Yellow (47%)
- Blue (70%)



- Cyan (71%)
- Magenta (0%)
- Yellow (14%)
- Black (30%)



- Cyan (80%)
- Magenta (30%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33B299 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 33B299 by changing the saturation by 10% instead.



 33B299

 33B299

FFFFFF

 00977F

 73EACF

 007C66

 91FFEB

 00634E

 AEFFFF

 004A37

 CCFFFF

 003222

 EAFFFF

 001C0C

 000000

 33B299

 33B299

 21B295

 45B29D

 0FB292

 57B2A0

 00B28F

 68B2A4

 7AB2A7

 8CB2AB

 9EB2AE

 B0B2B2

 C1B2B5

 D3B2B9

# Harmonies

## Analogous

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



6CAE76



33B299



00B2BE

# Triad

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



33B299



9C98E0



D68F65

# Complementary

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



33B299



B2334C

# 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.



E48582



33B299



C88BC8

# Square

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



33B299



5DA5E7



E083A6



BB9C57

# Rectangle

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



33B299



00AFD2



E083A6



DD8B6D



# Sweetspot

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



33B299



B7E8DE



4CB233



587570



F5F5F5



757575



# Same Dimension

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



33B299



20E8C1



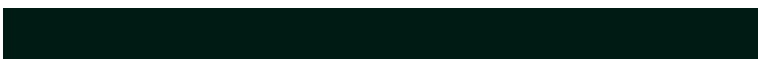
338CB2



505957



00997B



001A14



# Inverse Universe

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



B2334C



E82048



B25933



595052



99001E

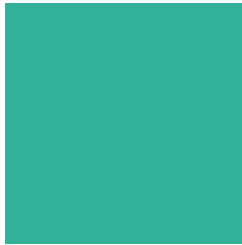


1A0005



# Previews

## White Background



This preview shows how the Hex color 33B299 looks on a white background.

## Color Contrast Check

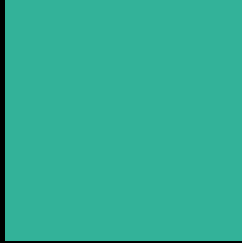
Large Text (above 18pt) WCAG AA × Fail

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 33B299 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

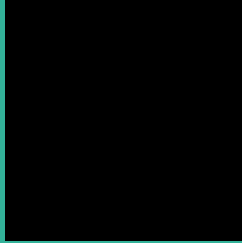
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33B299 Background



This preview shows how black text looks on a background with the Hex color 33B299.

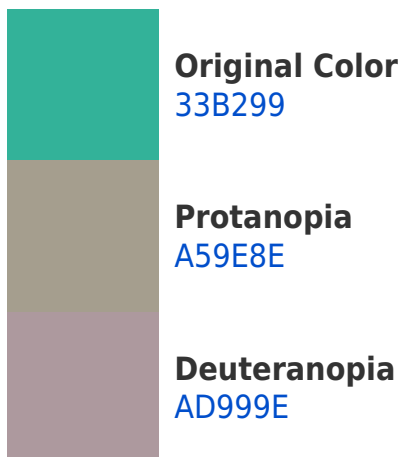


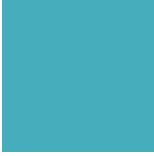
This preview shows how white text looks on a background with the Hex color 33B299.

# 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](#).

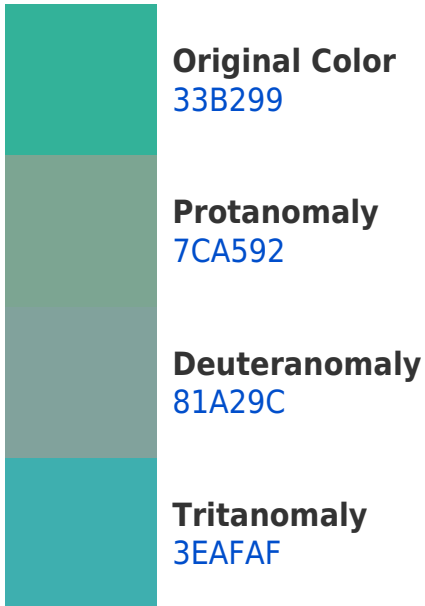
## Dichromacy



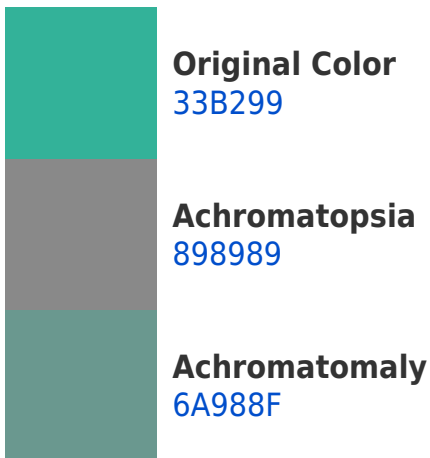


**Tritanopia**  
45ADBB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33B299 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 #33B299 looks like.

```
.text, #text, p{  
    color:#33B299  
}
```

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 #33B299 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33B299
}
```

## Border

The CSS property to change the border of an element to Hex 33B299 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
#33B299 }
```

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

```
.border{ border-color:#33B299 }
```

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

Here you see how a box with a 4 pixel #33B299 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33B299; -webkit-box-shadow:4px 4px  
4px 4px #33B299; box-shadow:4px 4px 4px  
4px #33B299 }
```

# Background

The CSS property to change the background color of an element to Hex 33B299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33B299 }
```

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

```
.background{ background-color:#33B299 }
```

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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