

# Converting Colors

Hex(33BBCC)

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

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# Color

Hex(33BBCC)

# Conversions

## Conversions Part 1

Format	Color
Hex	33BBCC
RGB	51, 187, 204
RGB Percent	20%, 73%, 80%
CMY	0.8000, 0.2667, 0.2000
CMYK	0.75, 0.08, 0.00, 0.20
HSL	187°, 60%, 50%
HSV	187°, 75%, 80%
XYZ	30.0346, 40.6041, 63.3811
YIQ	148.2740, -86.5130, -23.5450

# Conversions

## Conversions Part 2

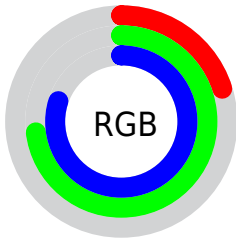
Format	Color
<a href="#">RYB</a>	<a href="#">51, 123, 204</a>
Decimal	<a href="#">3390412</a>
CIELab	<a href="#">69.90, -29.68, -18.89</a>
CIElCh	<a href="#">70, 35.187, 212.475</a>
Yxy	<a href="#">40.6041, 0.2241, 0.3030</a>
Android (android.graphics.Color)	<a href="#">4281580492 (0xFF33BBCC)</a>
YUV	<a href="#">148.2740, 27.4729, -85.3093</a>
Hunter-Lab	<a href="#">63.7213, -27.3775, -14.3685</a>

# Details

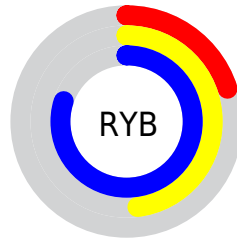
The Hex color **33BBCC** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **CC4433**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **79F4FF**, and **008596** is the 20% darker color. If you saturate the color by 10%, you get **1FB9CC**, and if you desaturate by 10%, it is **47BDCC**.

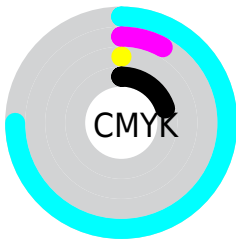
# Distribution



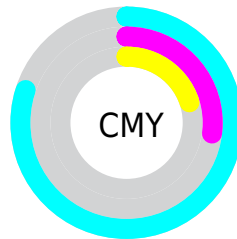
- Red (20%)
- Green (73%)
- Blue (80%)



- Red (20%)
- Yellow (48%)
- Blue (80%)



- Cyan (75%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (80%)
- Magenta (27%)
- Yellow (20%)

# Brightness & Saturation Gradients

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



 33BBCC

 33BBCC

FFFFFF

 00A0B1

 79F4FF

 008596

 98FFFF

 006C7C

 B6FFFF

 005363

 D5FFFF

 003B4B

 F3FFFF

 002634

 000220

 000004

 000000

■ 33BBCC

■ 33BBCC

■ 1FB9CC

■ 47BDCC

■ 0AB6CC

■ 5CC0CC

■ 00B5CC

■ 70C2CC

■ 85C4CC

■ 99C6CC

■ ADC9CC

■ C2CBCC

■ D6CDCC

■ EBCFCC

# Harmonies

## Analogous

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



4EBCAC



33BBCC



4FB6E3

# Triad

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



33BBCC



D597C9



BEAA6B

# Complementary

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



33BBCC



CC4433

# 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.



D89F73



33BBCC



E892A9

# Square

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



33BBCC



B2A2E1



E8958A



9CB374

# Rectangle

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



33BBCC



71B0EA



E8958A



C8A66B

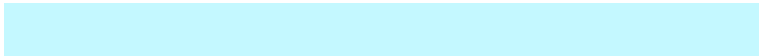


# Sweetspot

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



33BBCC



C4F8FF



33CC42



5C7C80



000000



808080

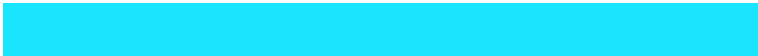


# Same Dimension

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



33BBCC



19E5FF



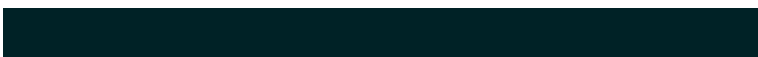
3370CC



5C6566



0093A6



002226



# Inverse Universe

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



CC33BB



FF19E5



CC8F33



665C65



A60093



260022



# Previews

## White Background



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

## Color Contrast Check

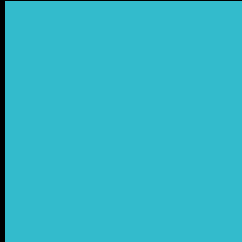
Large Text (above 18pt) WCAG AA × Fail

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 33BBCC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

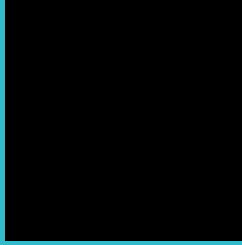
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33BBCC Background



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

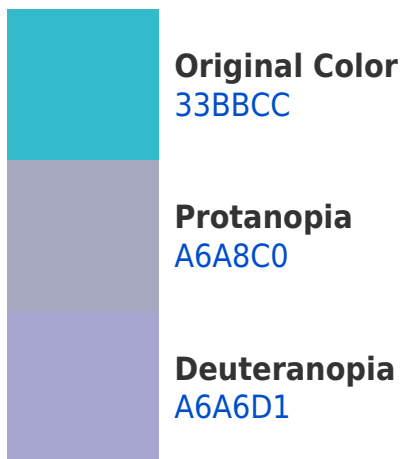


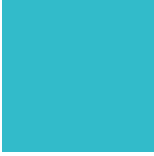
This preview shows how white text looks on a background with the Hex color 33BBCC.

# 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**  
32BBCA

# Trichromacy



**Original Color**  
33BBCC



**Protanomaly**  
7CAFC4



**Deuteranomaly**  
7CAECF



**Tritanomaly**  
32BBCB

# Monochromacy



**Original Color**  
33BBCC



**Achromatopsia**  
949494



**Achromatomaly**  
71A2A8

# CSS Examples

## Text

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

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

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 #33BBCC colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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