

# Converting Colors

Hex(33ABCE)

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

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# **Color**

**Hex(33ABCE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33ABCE
RGB	51, 171, 206
RGB Percent	20%, 67%, 81%
CMY	0.8000, 0.3294, 0.1922
CMYK	0.75, 0.17, 0.00, 0.19
HSL	194°, 61%, 50%
HSV	194°, 75%, 81%
XYZ	27.0687, 34.2859, 63.5837
YIQ	139.1100, -82.7550, -14.5550

# Conversions

## Conversions Part 2

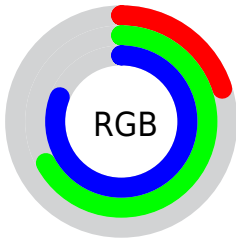
Format	Color
R <sub>Y</sub> B	51, 119, 206
Decimal	3386318
CIE Lab	65.19, -20.99, -27.19
CIE LCh	65, 34.348, 232.333
Yxy	34.2859, 0.2167, 0.2744
Android (android.graphics.Color)	4281576398 (0xFF33ABCE)
YUV	139.1100, 32.9768, -77.2725
Hunter-Lab	58.5541, -19.9517, -23.3949

# Details

The Hex color **33ABCE** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **CE5633**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **78E2FF**, and **007798** is the 20% darker color. If you saturate the color by 10%, you get **1EA6CE**, and if you desaturate by 10%, it is **48B0CE**.

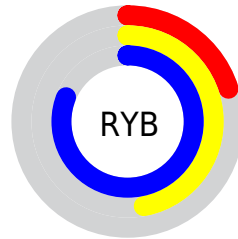
# Distribution



Red (20%)

Green (67%)

Blue (81%)



Red (20%)

Yellow (47%)

Blue (81%)

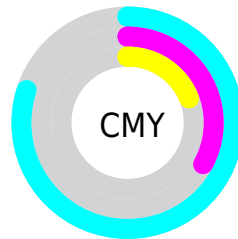


Cyan (75%)

Magenta (17%)

Yellow (0%)

Black (19%)



Cyan (80%)

Magenta (33%)

Yellow (19%)

# Brightness & Saturation Gradients

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



 33ABCE

 33ABCE

FFFFFF

 0090B2

 78E2FF

 007798

 96FFFF

 005E7E

 B4FFFF

 004664

 D3FFFF

 002F4C

 F1FFFF

 001C35

 000220

 000004

 000000

■ 33ABCE

■ 33ABCE

■ 1EA6CE

■ 48B0CE

■ 0AA2CE

■ 5CB4CE

■ 009FCE

■ 71B9CE

■ 85BECE

■ 9AC2CE

■ AFC7CE

■ C3CCCE

■ D8D0CE

■ ECD5CE

# Harmonies

## Analogous

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



2AAF5



33ABCE



65A4DB

# Triad

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



33ABCE



D587A7



9BA364

# Complementary

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



33ABCE



CE5633

# 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.



BA9A61



33ABCE



DB8888

# Square

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



33ABCE



BD8EC4



D08F6F



78AB78

# Rectangle

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



33ABCE



879DDA



D08F6F



A6A061

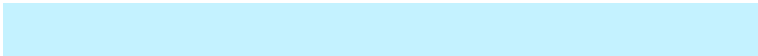


# Sweetspot

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



33ABCE



C4F2FF



33CE55



5C7780



000000



808080

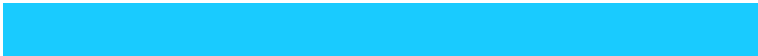


# Same Dimension

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



33ABCE



19CBFF



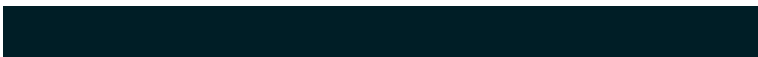
335FCE



5C6466



0080A6



001E26



# Inverse Universe

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



CE33AB



FF19CB



CEA233



665C64



A60080



26001E



# Previews

## White Background



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

## Color Contrast Check

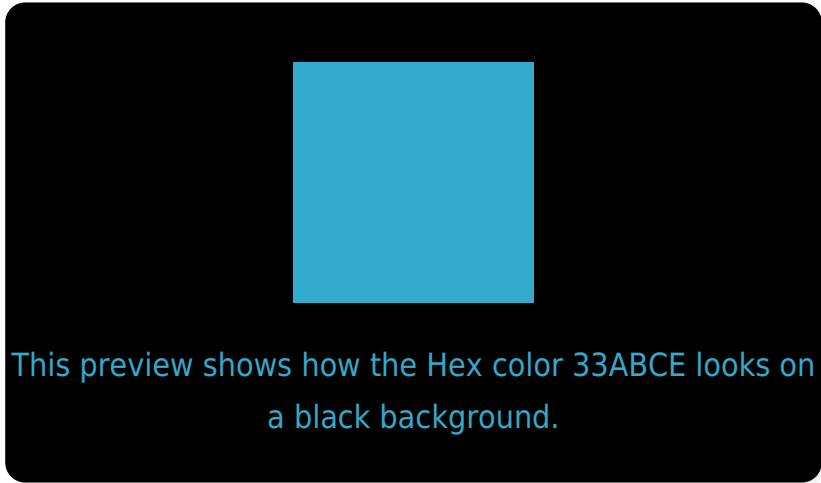
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

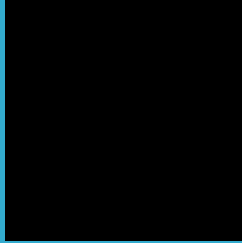
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33ABCE Background



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



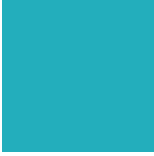
This preview shows how white text looks on a background with the Hex color 33ABCE.

# Color Blindness Simulation

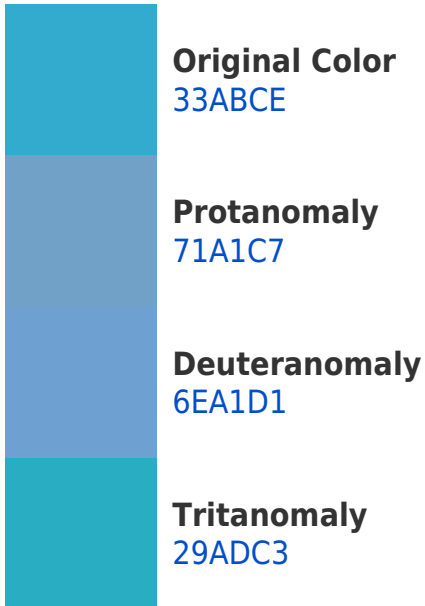
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

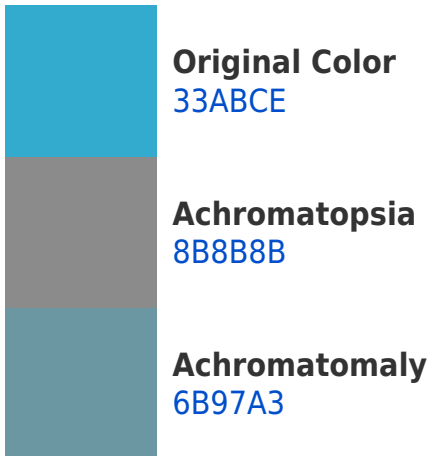




# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #33ABCE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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