

# Converting Colors

Hex(0033CC)

Have a look what the booklet for  
Hex(0033CC) contains.

<b>Hex(0033CC)</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

Hex(0033CC)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0033CC
RGB	0, 51, 204
RGB Percent	0%, 20%, 80%
CMY	1.0000, 0.8000, 0.2000
CMYK	1.00, 0.75, 0.00, 0.20
HSL	225°, 100%, 40%
HSV	225°, 100%, 80%
XYZ	12.0829, 6.7273, 57.7884
YIQ	53.1930, -79.5090, 36.7710

# Conversions

## Conversions Part 2

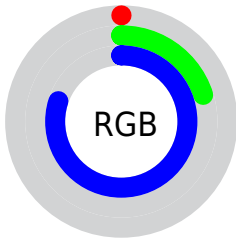
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 41, 204
Decimal	13260
CIELab	31.18, 48.06, -80.59
CIElCh	31, 93.828, 300.809
Yxy	6.7273, 0.1577, 0.0878
Android (android.graphics.Color)	4278203340 (0xFF0033CC)
YUV	53.1930, 74.3479, -46.6503
Hunter-Lab	25.9370, 37.7655, -113.9439

# Details

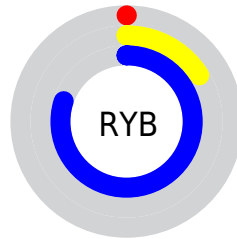
The Hex color **0033CC** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **CC9900**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **6763FF**, and **000994** is the 20% darker color. If you saturate the color by 10%, you get **0033CC**, and if you desaturate by 10%, it is **1442CC**.

# Distribution



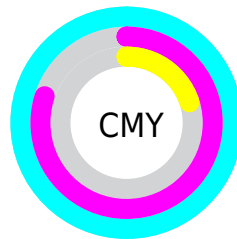
- Red (0%)
- Green (20%)
- Blue (80%)



- Red (0%)
- Yellow (16%)
- Blue (80%)



- Cyan (100%)
- Magenta (75%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (80%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0033CC 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 0033CC by changing the saturation by 10% instead.



 0033CC

 0033CC

FFFFFF

 001DB0

 6763FF

 000994

 887CFF

 00007A

 A796FF

 000760

 C6B1FF

 000847

 E6CDFF

 00042F

 FFE9FF

 00011A

 000000

 0033CC

■ 1442CC

■ 2952CC

■ 3D61CC

■ 5270CC

■ 6680CC

■ 7A8FCC

■ 8F9ECC

■ A3ADCC

■ B8BDCC

# Harmonies

## Analogous

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



0056E2



0033CC



9B0093

# Triad

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



0033CC



901D00



00614A

# Complementary

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



0033CC



CC9900

# 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.



005F00



0033CC



594800

# Square

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



0033CC



B40001



005800



006395

# Rectangle

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



0033CC



B70063



005800



00602F



# Sweetspot

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



0033CC



B3C6FF



00CC99



525D80



000000



808080



# Same Dimension

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



0033CC



0040FF



3300CC



5C5E66



0029A6



000A26



# Inverse Universe

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



CC0033



FF0040



99CC00



665C5E



A60029



26000A



# Previews

## White Background



This preview shows how the Hex color 0033CC looks on a white background.

## Color Contrast Check

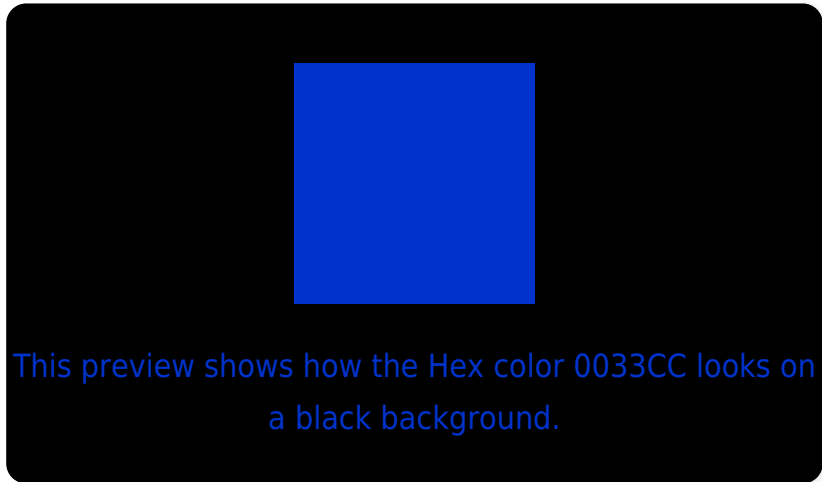
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

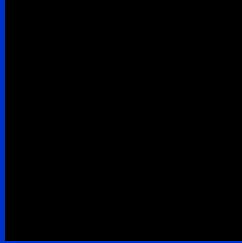
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0033CC Background



This preview shows how black text looks on a background with the Hex color 0033CC.



This preview shows how white text looks on a background with the Hex color 0033CC.

# 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



**Original Color**  
0033CC

**Protanopia**  
004795

**Deuteranopia**  
004C7F



# Trichromacy



**Original Color**  
0033CC

**Protanomaly**  
0040A9

**Deuteranomaly**  
00439B

**Tritanomaly**  
004781

# Monochromacy



**Original Color**  
0033CC

**Achromatopsia**  
353535

**Achromatomaly**  
22346C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0033CC 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 #0033CC looks like.

```
.text, #text, p{  
    color:#0033CC  
}
```

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 #0033CC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0033CC
}
```

## Border

The CSS property to change the border of an element to Hex 0033CC is called "border". The border property can be set on classes, ids or directly on the HTML element.

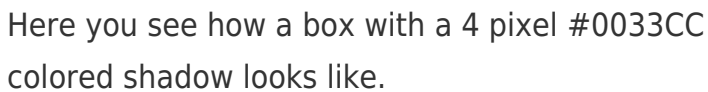
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0033CC }
```

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

```
.border{ border-color:#0033CC }
```

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



Here you see how a box with a 4 pixel #0033CC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0033CC; -webkit-box-shadow:4px 4px  
4px 4px #0033CC; box-shadow:4px 4px 4px  
4px #0033CC }
```

# Background

The CSS property to change the background color of an element to Hex 0033CC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0033CC }
```

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

```
.background{ background-color:#0033CC }
```

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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