

# Converting Colors

Hex(003CCA)

Have a look what the booklet for  
Hex(003CCA) contains.

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# Color

**Hex(003CCA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	003CCA
RGB	0, 60, 202
RGB Percent	0%, 24%, 79%
CMY	1.0000, 0.7647, 0.2078
CMYK	1.00, 0.70, 0.00, 0.21
HSL	222°, 100%, 40%
HSV	222°, 100%, 79%
XYZ	12.2765, 7.4960, 56.6769
YIQ	58.2480, -81.3420, 31.4420

# Conversions

## Conversions Part 2

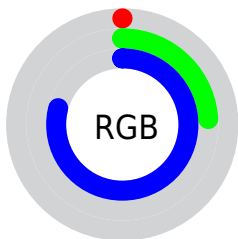
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 46, 202
Decimal	15562
CIELab	32.91, 41.92, -76.56
CIELCh	33, 87.283, 298.707
Yxy	7.4960, 0.1606, 0.0981
Android (android.graphics.Color)	4278205642 (0xFF003CCA)
YUV	58.2480, 70.8697, -51.0835
Hunter-Lab	27.3788, 32.1257, -103.5713

# Details

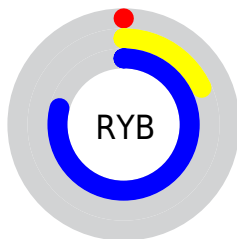
The Hex color **003CCA** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **CA8E00**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **656BFF**, and **001392** is the 20% darker color. If you saturate the color by 10%, you get **003CCA**, and if you desaturate by 10%, it is **144ACA**.

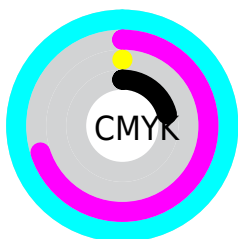
# Distribution



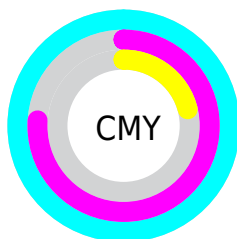
- Red (0%)
- Green (24%)
- Blue (79%)



- Red (0%)
- Yellow (18%)
- Blue (79%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (76%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003CCA 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 003CCA by changing the saturation by 10% instead.



 003CCA

 003CCA

FFFFFF

 0026AE

 656BFF

 001392

 8685FF

 000078

 A59FFF

 00065E

 C4BAFF

 000845

 E3D6FF

 00042E

 FFF2FF

 000118

 000000

 003CCA

 144ACA

 2858CA

 3D67CA

 5175CA

 6583CA

 7991CA

 8D9FCA

 A2AECA

 B6BCCA

# Harmonies

## Analogous

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



005ADC



003CCA



970097

# Triad

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



003CCA



952300



006549

# Complementary

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



003CCA



CA8E00

# 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.



006200



003CCA



624B00

# Square

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



003CCA



B50011



0B5B00



00668F

# Rectangle

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



003CCA



B4006B



0B5B00



006430



# Sweetspot

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



003CCA



B3C9FF



00CA8D



525F80



000000



808080



# Same Dimension

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



003CCA



004CFF



2800CA



5C5F66



0031A6



000B26



# Inverse Universe

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



CA003C



FF004C



A2CA00



665C5F



A60031



26000B



# Previews

## White Background



This preview shows how the Hex color 003CCA looks on a white background.

## Color Contrast Check

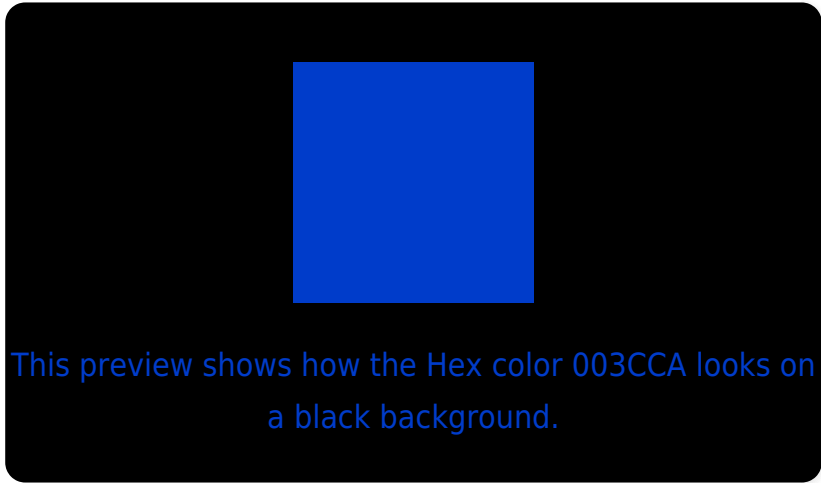
Large Text (above 18pt) WCAG AA ✓ Pass

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

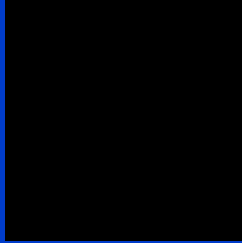
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003CCA Background



This preview shows how black text looks on a background with the Hex color 003CCA.



This preview shows how white text looks on a background with the Hex color 003CCA.

# 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**  
003CCA

**Protanopia**  
004B9D

**Deuteranopia**  
005086



**Tritanopia**  
00565B

# Trichromacy



**Original Color**  
003CCA

**Protanomaly**  
0046AD

**Deuteranomaly**  
00499F

**Tritanomaly**  
004D83

# Monochromacy



**Original Color**  
003CCA

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
253B6E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003CCA 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 #003CCA looks like.

```
.text, #text, p{  
    color:#003CCA  
}
```

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 #003CCA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003CCA
}
```

## Border

The CSS property to change the border of an element to Hex 003CCA 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
#003CCA }
```

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

```
.border{ border-color:#003CCA }
```

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

Here you see how a box with a 4 pixel #003CCA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003CCA; -webkit-box-shadow:4px 4px  
4px 4px #003CCA; box-shadow:4px 4px 4px  
4px #003CCA }
```

# Background

The CSS property to change the background color of an element to Hex 003CCA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003CCA }
```

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

```
.background{ background-color:#003CCA }
```

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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