

# Converting Colors

Hex(0019CC)

Have a look what the booklet for  
Hex(0019CC) contains.

<b>Hex(0019CC)</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(0019CC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0019CC
RGB	0, 25, 204
RGB Percent	0%, 10%, 80%
CMY	1.0000, 0.9020, 0.2000
CMYK	1.00, 0.88, 0.00, 0.20
HSL	233°, 100%, 40%
HSV	233°, 100%, 80%
XYZ	11.2467, 5.0549, 57.5097
YIQ	37.9310, -72.3590, 50.3690

# Conversions

## Conversions Part 2

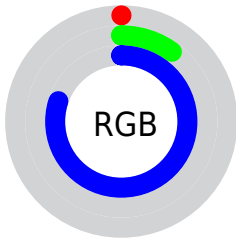
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 22, 204
Decimal	6604
CIE Lab	26.89, 60.60, -87.72
CIE LCh	27, 106.614, 304.637
Yxy	5.0549, 0.1524, 0.0685
Android (android.graphics.Color)	4278196684 (0xFF0019CC)
YUV	37.9310, 81.8720, -33.2655
Hunter-Lab	22.4831, 49.9456, -135.9202

# Details

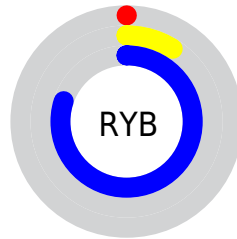
The Hex color **0019CC** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **CCB300**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **694CFF**, and **000094** is the 20% darker color. If you saturate the color by 10%, you get **0019CC**, and if you desaturate by 10%, it is **142BCC**.

# Distribution



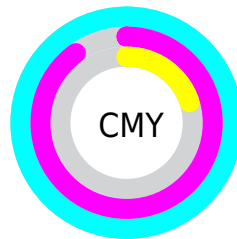
- Red (0%)
- Green (10%)
- Blue (80%)



- Red (0%)
- Yellow (9%)
- Blue (80%)



- Cyan (100%)
- Magenta (88%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (90%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0019CC 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 0019CC by changing the saturation by 10% instead.



 0019CC

 0019CC

FFFFFF

 0000B0

 694CFF

 000094

 8B66FF

 000079

 AB80FF

 000C5F

 CA9BFF

 000846

 EAB6FF

 00042F

 FFD3FF

 000119

 FFEFFF

 000000

 0019CC

 142BCC

 293DCC

 3D4FCC

 5261CC

 6672CC

 7A84CC

 8F96CC

 A3A8CC

 B8BACC

# Harmonies

## Analogous

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



004DEB



0019CC



A10088

# Triad

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



0019CC



820E00



00574B

# Complementary

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



0019CC



CCB300

# 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.



005500



0019CC



444200

# Square

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



0019CC



AE0000



005000



005A9E

# Rectangle

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



0019CC



BA0052



005000



00562E



# Sweetspot

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



0019CC



B3BCFF



00CCB1



525780



000000



808080



# Same Dimension

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



0019CC



001FFF



4B00CC



5C5D66



0014A6



000526



# Inverse Universe

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



CC0019



FF001F



81CC00



665C5D



A60014

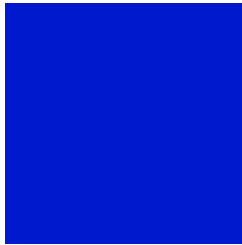


260005



# Previews

## White Background



This preview shows how the Hex color 0019CC looks on a white background.

## Color Contrast Check

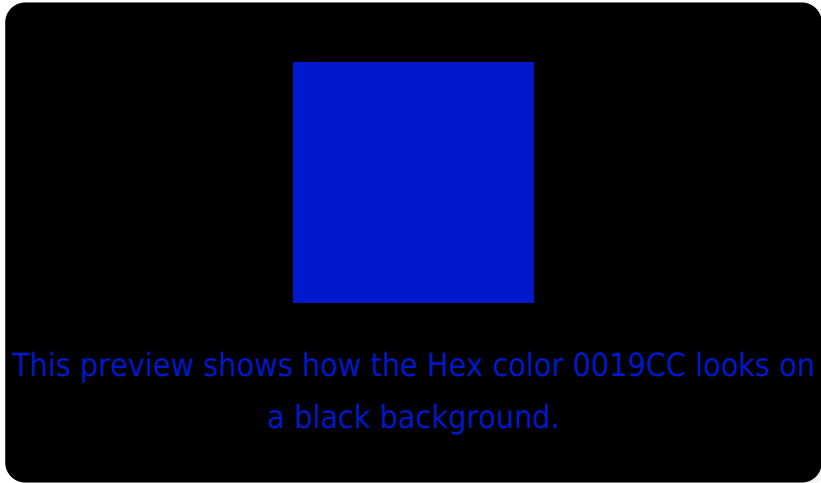
Large Text (above 18pt) WCAG AA ✓ Pass

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

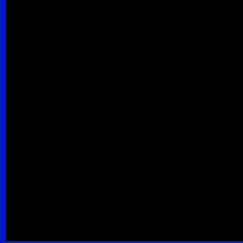
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0019CC Background



This preview shows how black text looks on a background with the Hex color 0019CC.



This preview shows how white text looks on a background with the Hex color 0019CC.

# 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**  
0019CC

**Protanopia**  
003E82

**Deuteranopia**  
00426E



**Tritanopia**  
00484B

# Trichromacy



**Original Color**  
0019CC

**Protanomaly**  
00319D

**Deuteranomaly**  
003390

**Tritanomaly**  
00377A

# Monochromacy



**Original Color**  
0019CC

**Achromatopsia**  
262626

**Achromatomaly**  
182162

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0019CC 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 #0019CC looks like.

```
.text, #text, p{  
    color:#0019CC  
}
```

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 #0019CC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0019CC
}
```

## Border

The CSS property to change the border of an element to Hex 0019CC 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
#0019CC }
```

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

```
.border{ border-color:#0019CC }
```

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

Here you see how a box with a 4 pixel #0019CC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0019CC; -webkit-box-shadow:4px 4px  
4px 4px #0019CC; box-shadow:4px 4px 4px  
4px #0019CC }
```

# Background

The CSS property to change the background color of an element to Hex 0019CC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0019CC }
```

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

```
.background{ background-color:#0019CC }
```

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](#).



Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor