

# Converting Colors

Hex(002DCC)

Have a look what the booklet for  
Hex(002DCC) contains.

<b>Hex(002DCC)</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(002DCC)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	002DCC
RGB	0, 45, 204
RGB Percent	0%, 18%, 80%
CMY	1.0000, 0.8235, 0.2000
CMYK	1.00, 0.78, 0.00, 0.20
HSL	227°, 100%, 40%
HSV	227°, 100%, 80%
XYZ	11.8375, 6.2364, 57.7066
YIQ	49.6710, -77.8590, 39.9090

# Conversions

## Conversions Part 2

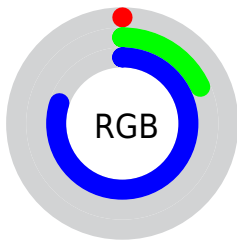
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 37, 204
Decimal	11724
CIELab	30.00, 51.41, -82.54
CIELCh	30, 97.243, 301.919
Yxy	6.2364, 0.1562, 0.0823
Android (android.graphics.Color)	4278201804 (0xFF002DCC)
YUV	49.6710, 76.0842, -43.5615
Hunter-Lab	24.9728, 40.9092, -119.5251

# Details

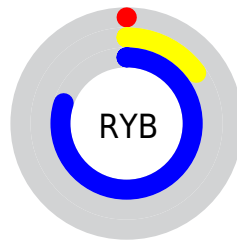
The Hex color **002DCC** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **CC9F00**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **685DFF**, and **000294** is the 20% darker color. If you saturate the color by 10%, you get **002DCC**, and if you desaturate by 10%, it is **143DCC**.

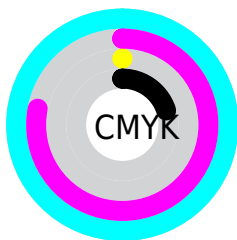
# Distribution



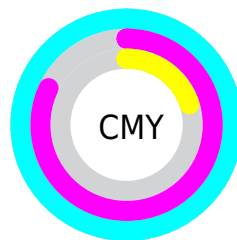
- Red (0%)
- Green (18%)
- Blue (80%)



- Red (0%)
- Yellow (15%)
- Blue (80%)



- Cyan (100%)
- Magenta (78%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (82%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002DCC 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 002DCC by changing the saturation by 10% instead.



 002DCC

 002DCC

FFFFFF

 0016B0

 685DFF

 000294

 8876FF

 000079

 A890FF

 00085F

 C7ABFF

 000847

 E7C7FF

 00042F

 FFE3FF

 00011A

 000000

 002DCC

 143DCC

 294DCC

 3D5DCC

 526DCC

 667DCC

 7A8CCC

 8F9CCC

 A3ACCC

 B8BCCC

# Harmonies

## Analogous

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



0054E5



002DCC



9D0090

# Triad

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



002DCC



8C1900



005E4A

# Complementary

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



002DCC



CC9F00

# 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.



005C00



002DCC



534700

# Square

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



002DCC



B30000



005600



006097

# Rectangle

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



002DCC



B8005F



005600



005E2F



# Sweetspot

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



002DCC



B3C3FF



00CC9C



525C80



000000



808080



# Same Dimension

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



002DCC



0038FF



3600CC



5C5E66



0025A6



000826



# Inverse Universe

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



CC002D



FF0038



96CC00



665C5E



A60025



260008



# Previews

## White Background



This preview shows how the Hex color 002DCC looks on a white background.

## Color Contrast Check

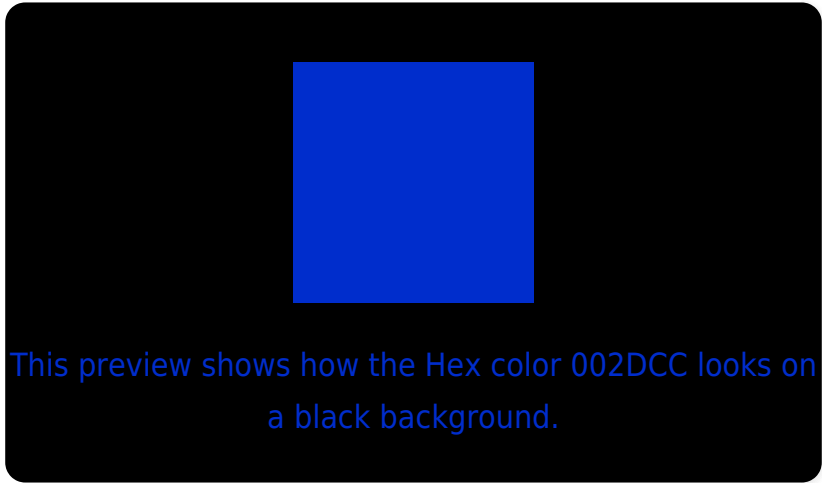
Large Text (above 18pt) WCAG AA ✓ Pass

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

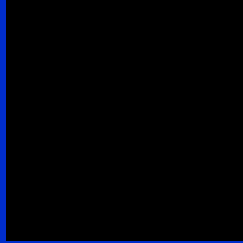
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002DCC Background



This preview shows how black text looks on a background with the Hex color 002DCC.



This preview shows how white text looks on a background with the Hex color 002DCC.

# 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**  
002DCC

**Protanopia**  
004490

**Deuteranopia**  
00497A



**Tritanopia**  
004F53

# Trichromacy



**Original Color**  
002DCC

**Protanomaly**  
003CA6

**Deuteranomaly**  
003F98

**Tritanomaly**  
00437F

# Monochromacy



**Original Color**  
002DCC

**Achromatopsia**  
323232

**Achromatomaly**  
20306A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002DCC 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 #002DCC looks like.

```
.text, #text, p{  
    color:#002DCC  
}
```

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 #002DCC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002DCC
}
```

## Border

The CSS property to change the border of an element to Hex 002DCC 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
#002DCC }
```

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

```
.border{ border-color:#002DCC }
```

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

Here you see how a box with a 4 pixel #002DCC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002DCC; -webkit-box-shadow:4px 4px  
4px 4px #002DCC; box-shadow:4px 4px 4px  
4px #002DCC }
```

# Background

The CSS property to change the background color of an element to Hex 002DCC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002DCC }
```

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

```
.background{ background-color:#002DCC }
```

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