

# Converting Colors

Hex(002CB5)

Have a look what the booklet for  
Hex(002CB5) contains.

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# Color

Hex(002CB5)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	002CB5
RGB	0, 44, 181
RGB Percent	0%, 17%, 71%
CMY	1.0000, 0.8275, 0.2902
CMYK	1.00, 0.76, 0.00, 0.29
HSL	225°, 100%, 35%
HSV	225°, 100%, 71%
XYZ	9.2412, 5.1376, 44.2206
YIQ	46.4620, -70.2010, 33.2790

# Conversions

## Conversions Part 2

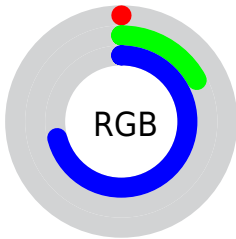
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 35, 181
Decimal	11445
CIELab	27.12, 44.04, -73.76
CIELCh	27, 85.907, 300.840
Yxy	5.1376, 0.1577, 0.0877
Android (android.graphics.Color)	4278201525 (0xFF002CB5)
YUV	46.4620, 66.3272, -40.7472
Hunter-Lab	22.6662, 33.1099, -99.8056

# Details

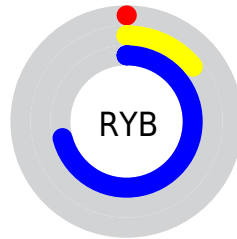
The Hex color **002CB5** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **B58900**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **605BEE**, and **00047F** is the 20% darker color. If you saturate the color by 10%, you get **002CB5**, and if you desaturate by 10%, it is **123AB5**.

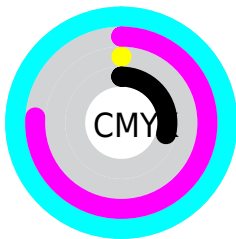
# Distribution



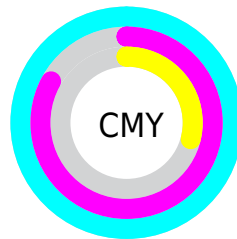
- Red (0%)
- Green (17%)
- Blue (71%)



- Red (0%)
- Yellow (14%)
- Blue (71%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (83%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002CB5 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 002CB5 by changing the saturation by 10% instead.



 002CB5

 002CB5

FFFFFF

 001799

 605BEE

 00047F

 8074FF

 000065

 9F8DFF

 00094C

 BDA8FF

 000434

 DCC3FF

 00021E

 FAE0FF

 000000

 FFFCFF

 002CB5

 123AB5

 2447B5

 3655B5

 4863B5

 5B70B5

 6D7EB5

 7F8CB5

 919AB5

 A3A7B5

# Harmonies

## Analogous

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



004CC9



002CB5



890082

# Triad

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



002CB5



7F1800



005541

# Complementary

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



002CB5



B58900

# 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.



005300



002CB5



4E3F00

# Square

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



002CB5



A00000



004E00



005783

# Rectangle

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



002CB5



A20057



004E00



005529



# Sweetspot

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



002CB5



A4B5EB



00B588



4B5575



F5F5F5



757575



# Same Dimension

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



002CB5



0039EB



2D00B5



505259



002599



00061A



# Inverse Universe

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



B5002C



EB0039



88B500



595052



990025



1A0006



# Previews

## White Background



This preview shows how the Hex color 002CB5 looks on a white background.

## Color Contrast Check

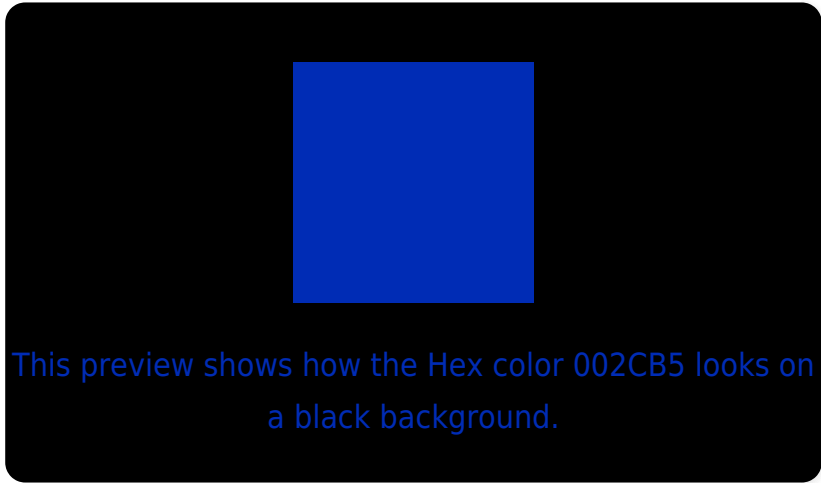
Large Text (above 18pt) WCAG AA ✓ Pass

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

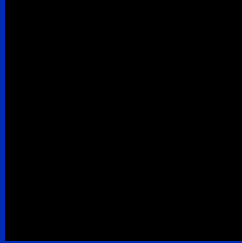
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002CB5 Background



This preview shows how black text looks on a background with the Hex color 002CB5.



This preview shows how white text looks on a background with the Hex color 002CB5.

# 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**  
002CB5

**Protanopia**  
003E83

**Deuteranopia**  
00436F



**Tritanopia**  
00484B

# Trichromacy



**Original Color**  
002CB5

**Protanomaly**  
003795

**Deuteranomaly**  
003B88

**Tritanomaly**  
003E72

# Monochromacy



**Original Color**  
002CB5

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
1D2D5F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002CB5 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 #002CB5 looks like.

```
.text, #text, p{  
    color:#002CB5  
}
```

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 #002CB5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002CB5
}
```

## Border

The CSS property to change the border of an element to Hex 002CB5 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
#002CB5 }
```

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

```
.border{ border-color:#002CB5 }
```

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

Here you see how a box with a 4 pixel #002CB5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002CB5; -webkit-box-shadow:4px 4px  
4px 4px #002CB5; box-shadow:4px 4px 4px  
4px #002CB5 }
```

# Background

The CSS property to change the background color of an element to Hex 002CB5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002CB5 }
```

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

```
.background{ background-color:#002CB5 }
```

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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