

# Converting Colors

Hex(002ACC)

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

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# Color

Hex(002ACC)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	002ACC
RGB	0, 42, 204
RGB Percent	0%, 16%, 80%
CMY	1.0000, 0.8353, 0.2000
CMYK	1.00, 0.79, 0.00, 0.20
HSL	228°, 100%, 40%
HSV	228°, 100%, 80%
XYZ	11.7270, 6.0156, 57.6698
YIQ	47.9100, -77.0340, 41.4780

# Conversions

## Conversions Part 2

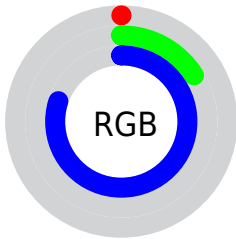
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 35, 204
Decimal	10956
CIELab	29.45, 53.00, -83.45
CIELCh	29, 98.862, 302.421
Yxy	6.0156, 0.1555, 0.0798
Android (android.graphics.Color)	4278201036 (0xFF002ACC)
YUV	47.9100, 76.9524, -42.0171
Hunter-Lab	24.5266, 42.4255, -122.2406

# Details

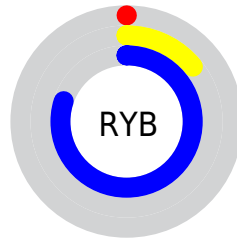
The Hex color **002ACC** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **CCA200**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **685AFF**, and **000094** is the 20% darker color. If you saturate the color by 10%, you get **002ACC**, and if you desaturate by 10%, it is **143ACC**.

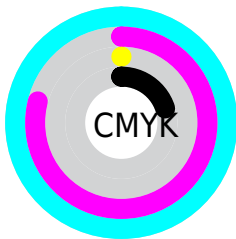
# Distribution



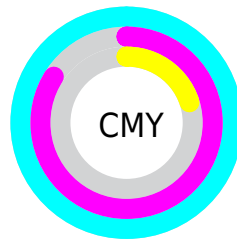
- Red (0%)
- Green (16%)
- Blue (80%)



- Red (0%)
- Yellow (14%)
- Blue (80%)



- Cyan (100%)
- Magenta (79%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (84%)
- Yellow (20%)

# Brightness & Saturation Gradients

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



 002ACC

 002ACC

FFFFFF

 0013B0


 685AFF

 000094

 8973FF

 000079

 A98DFF

 00095F

 C8A8FF

 000847

 E7C4FF

 00042F

 FFE0FF

 000119

 FFFDFF

 000000

 002ACC

■ 143ACC

■ 294ACC

■ 3D5BCC

■ 526BCC

■ 667BCC

■ 7A8BCC

■ 8F9BCC

■ A3ACCC

■ B8BCCC

# Harmonies

## Analogous

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



0052E6



002ACC



9D008E

# Triad

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



002ACC



8A1700



005D4A

# Complementary

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



002ACC



CCA200

# 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.



005B00



002ACC



504600

# Square

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



002ACC



B20000



005500



005F98

# Rectangle

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



002ACC



B8005D



005500



005C2F



# Sweetspot

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



002ACC



B3C2FF



00CCA0



525B80



000000



808080



# Same Dimension

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



002ACC



0035FF



3A00CC



5C5E66



0022A6



000826



# Inverse Universe

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



CC002A



FF0035



92CC00



665C5E



A60022



260008



# Previews

## White Background



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

## Color Contrast Check

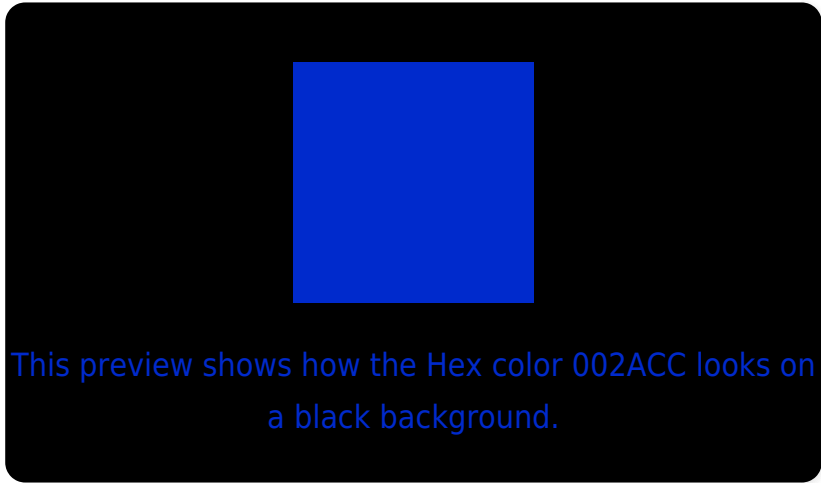
Large Text (above 18pt) WCAG AA ✓ Pass

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

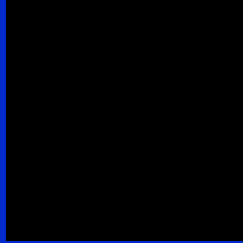
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002ACC Background



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



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

# 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**  
002ACC

**Protanopia**  
00438D

**Deuteranopia**  
004878



# Trichromacy



**Original Color**  
002ACC

**Protanomaly**  
003AA4

**Deuteranomaly**  
003D97

**Tritanomaly**  
00407E

# Monochromacy



**Original Color**  
002ACC

**Achromatopsia**  
303030

**Achromatomaly**  
1F2E69

# CSS Examples

## Text

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

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

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 #002ACC colored shadow looks like.

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

## Border

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

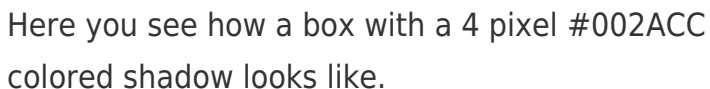
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#002ACC }
```

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

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

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



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

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

# Background

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

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

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

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

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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