

Converting Colors

Hex(0016CC)

Have a look what the booklet for
Hex(0016CC) contains.

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Color

Hex(0016CC)

Conversions

Conversions Part 1

Format	Color
Hex	0016CC
RGB	0, 22, 204
RGB Percent	0%, 9%, 80%
CMY	1.0000, 0.9137, 0.2000
CMYK	1.00, 0.89, 0.00, 0.20
HSL	234°, 100%, 40%
HSV	234°, 100%, 80%
XYZ	11.1860, 4.9335, 57.4894
YIQ	36.1700, -71.5340, 51.9380

Conversions

Conversions Part 2

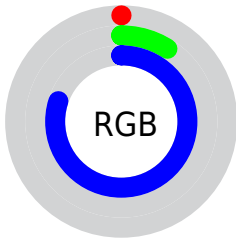
Format	Color
RYB	0, 20, 204
Decimal	5836
CIELab	26.54, 61.65, -88.30
CIELCh	27, 107.688, 304.922
Yxy	4.9335, 0.1520, 0.0670
Android (android.graphics.Color)	4278195916 (0xFF0016CC)
YUV	36.1700, 82.7402, -31.7211
Hunter-Lab	22.2114, 51.0255, -137.9116

Details

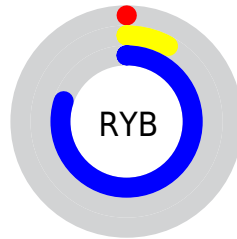
The Hex color **0016CC** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **CCB600**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **694AFF**, and **000094** is the 20% darker color. If you saturate the color by 10%, you get **0016CC**, and if you desaturate by 10%, it is **1428CC**.

Distribution



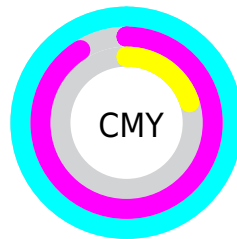
- Red (0%)
- Green (9%)
- Blue (80%)



- Red (0%)
- Yellow (8%)
- Blue (80%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (91%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0016CC 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 0016CC by changing the saturation by 10% instead.

 0016CC

 0016CC

FFFFFF

 0000B0

 694AFF

 000094

 8B64FF

 000079

 AB7EFF

 000C5F

 CA99FF

 000846

 EAB5FF

 00042F

 FFD1FF

 000119

 FFE0FF

 000000

 0016CC

■ 1428CC

■ 293ACC

■ 3D4DCC

■ 525FCC

■ 6671CC

■ 7A83CC

■ 8F95CC

■ A3A8CC

■ B8BACC

Harmonies

Analogous

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



004CEC



0016CC



A10087

Triad

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



0016CC



810D00



00564B

Complementary

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



0016CC



CCB600

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.



005400



0016CC



424100

Square

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



0016CC



AD0000



005000



00599E

Rectangle

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



0016CC



BA0051



005000



00562E

Sweetspot

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



0016CC



B3BBFF



00CCB4



525780



000000



808080

Same Dimension

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



0016CC



001BFF



4E00CC



5C5D66



0012A6



000426

Inverse Universe

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



CC0016



FF001C



7ECC00



665C5D



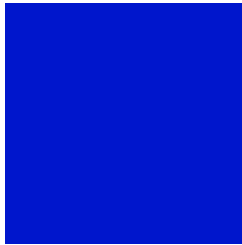
A60012



260004

Previews

White Background



This preview shows how the Hex color 0016CC looks on a white background.

Color Contrast Check

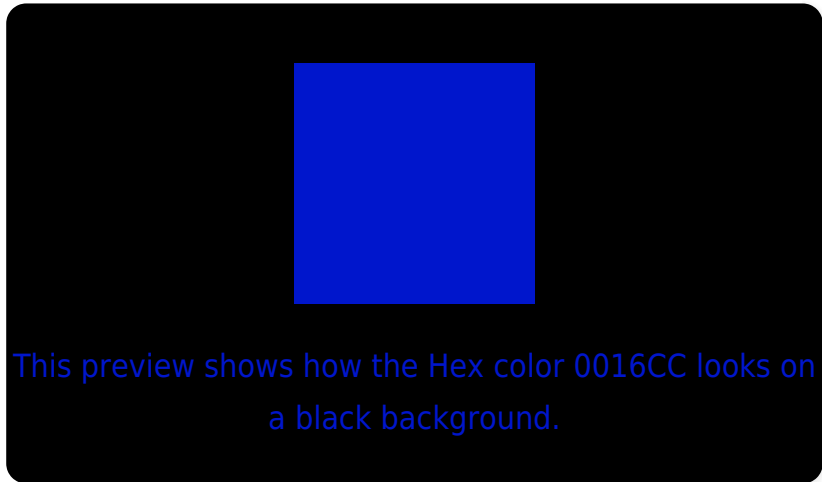
Large Text (above 18pt) WCAG AA ✓ Pass

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

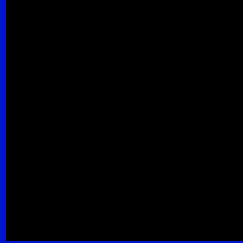
Any Text WCAG AA × Fail

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 0016CC Background



This preview shows how black text looks on a background with the Hex color 0016CC.



This preview shows how white text looks on a background with the Hex color 0016CC.

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
0016CC

Protanopia
003E81

Deuteranopia
00426D



Tritanopia
00474A

Trichromacy



Original Color
0016CC

Protanomaly
002F9C

Deuteranomaly
003290

Tritanomaly
003579

Monochromacy



Original Color
0016CC

Achromatopsia
242424

Achromatomaly
171F61

CSS Examples

Text

The CSS property to change the color of the text to Hex 0016CC 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 #0016CC looks like.

```
.text, #text, p{  
    color:#0016CC  
}
```

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 #0016CC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0016CC }  
}
```

Border

The CSS property to change the border of an element to Hex 0016CC 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 #0016CC }  
}
```

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

```
.border{ border-color:#0016CC }
```

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

Here you see how a box with a 4 pixel #0016CC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0016CC; -webkit-box-shadow:4px 4px  
4px 4px #0016CC; box-shadow:4px 4px 4px  
4px #0016CC }
```

Background

The CSS property to change the background color of an element to Hex 0016CC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0016CC }
```

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

```
.background{ background-color:#0016CC }
```

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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