

# Converting Colors

Hex(B00CC0)

Have a look what the booklet for  
Hex(B00CC0) contains.

<b>Hex(B00CC0)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(B00CC0)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B00CC0
RGB	176, 12, 192
RGB Percent	69%, 5%, 75%
CMY	0.3098, 0.9529, 0.2471
CMYK	0.08, 0.94, 0.00, 0.25
HSL	295°, 88%, 40%
HSV	295°, 94%, 75%
XYZ	27.5504, 13.2988, 50.9840
YIQ	81.5560, 39.9640, 90.7480

# Conversions

## Conversions Part 2

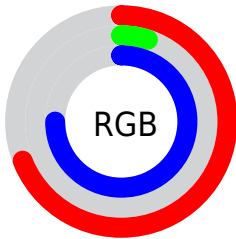
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 12, 192
Decimal	11537600
CIE Lab	43.21, 75.69, -53.22
CIE LCh	43, 92.524, 324.887
Yxy	13.2988, 0.3000, 0.1448
Android (android.graphics.Color)	4289727680 (0xFFB00CC0)
YUV	81.5560, 54.4489, 82.8274
Hunter-Lab	36.4675, 71.0344, -57.3640

# Details

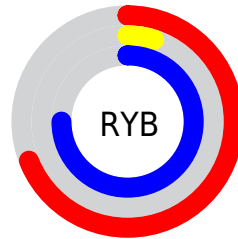
The Hex color **B00CC0** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **1CC00C**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **EC5AF9**, and **760089** is the 20% darker color. If you saturate the color by 10%, you get **AF00C0**, and if you desaturate by 10%, it is **B21FC0**.

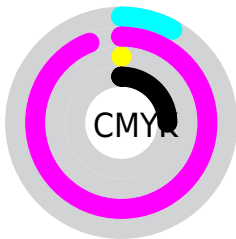
# Distribution



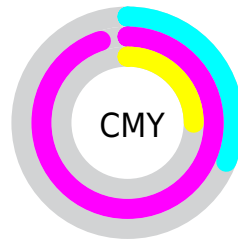
- Red (69%)
- Green (5%)
- Blue (75%)



- Red (69%)
- Yellow (5%)
- Blue (75%)



- Cyan (8%)
- Magenta (94%)
- Yellow (0%)
- Black (25%)



- Cyan (31%)
- Magenta (95%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B00CC0 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 B00CC0 by changing the saturation by 10% instead.



 B00CC0

 B00CC0

FFFFFF

 9300A4

 EC5AF9

 760089

 FF77FF

 5A006F

 FF94FF

 3F0056

 FFB2FF

 21003E

 FFCFFF

 000027

 FFEEDF

 000110

 000000

 B00CC0

 B00CC0

■ AF00C0

■ B21FC0

■ B332C0

■ B546C0

■ B759C0

■ B96CC0

■ BA7FC0

■ BC92C0

■ BEA6C0

■ BFB9C0

# Harmonies

## Analogous

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



0058F5



B00CC0



DF0077

# Triad

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



B00CC0



885F00



0083A5

# Complementary

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



B00CC0



1CC00C

# 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.



008256



B00CC0



3C7400

# Square

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



B00CC0



BF3300



007E00



0081E5

# Rectangle

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



B00CC0



E30045



007E00



00838C



# Sweetspot

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



B00CC0



F4B4FA



0C1EC0



79527D



FCFCFC



7D7D7D



# Same Dimension

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



B00CC0



E400FA



C00C78



605761



9200A1



1E0021



# Inverse Universe

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



C00C1C



FA0016



0CC054



615758



A1000E



210003



# Previews

## White Background



This preview shows how the Hex color B00CC0 looks on a white background.

## Color Contrast Check

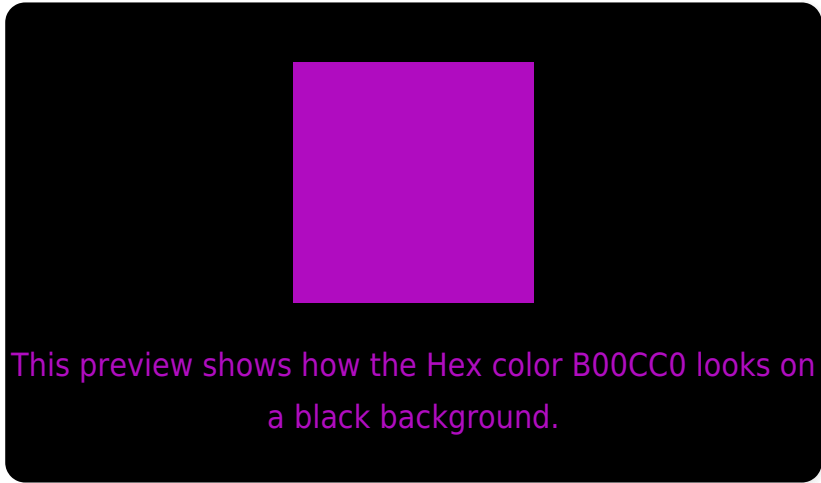
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

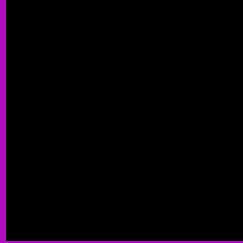
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B00CC0 Background



This preview shows how black text looks on a background with the Hex color B00CC0.

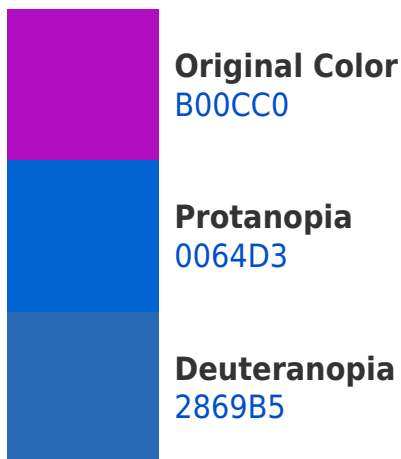


This preview shows how white text looks on a background with the Hex color B00CC0.

# 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





**Tritanopia**  
A34C51

# Trichromacy



**Original Color**  
B00CC0



**Protanomaly**  
4044CC



**Deuteranomaly**  
5947B9



**Tritanomaly**  
A83579

# Monochromacy



**Original Color**  
B00CC0



**Achromatopsia**  
525252



**Achromatomaly**  
74397A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B00CC0 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 #B00CC0 looks like.

```
.text, #text, p{  
    color:#B00CC0  
}
```

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 #B00CC0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B00CC0
}
```

## Border

The CSS property to change the border of an element to Hex B00CC0 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
#B00CC0 }
```

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

```
.border{ border-color:#B00CC0 }
```

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

Here you see how a box with a 4 pixel #B00CC0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B00CC0; -webkit-box-shadow:4px 4px  
4px 4px #B00CC0; box-shadow:4px 4px 4px  
4px #B00CC0 }
```

# Background

The CSS property to change the background color of an element to Hex B00CC0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B00CC0 }
```

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

```
.background{ background-color:#B00CC0 }
```

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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