

# Converting Colors

Hex(BB00E0)

Have a look what the booklet for  
Hex(BB00E0) contains.

<b>Hex(BB00E0)</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(BB00E0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB00E0
RGB	187, 0, 224
RGB Percent	73%, 0%, 88%
CMY	0.2667, 1.0000, 0.1216
CMYK	0.17, 1.00, 0.00, 0.12
HSL	290°, 100%, 44%
HSV	290°, 100%, 88%
XYZ	33.9481, 15.9466, 71.8098
YIQ	81.4490, 39.5480, 109.3080

# Conversions

## Conversions Part 2

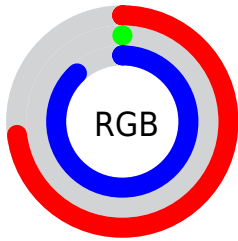
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 0, 224
Decimal	12255456
CIELab	46.90, 83.62, -65.63
CIElCh	47, 106.298, 321.870
Yxy	15.9466, 0.2789, 0.1310
Android (android.graphics.Color)	4290445536 (0xFFBB00E0)
YUV	81.4490, 70.2776, 92.5682
Hunter-Lab	39.9332, 81.8635, -78.6648

# Details

The Hex color **BB00E0** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **25E000**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **F85BFF**, and **8000A8** is the 20% darker color. If you saturate the color by 10%, you get **BB00E0**, and if you desaturate by 10%, it is **BF16E0**.

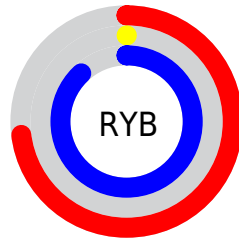
# Distribution



Red (73%)

Green (0%)

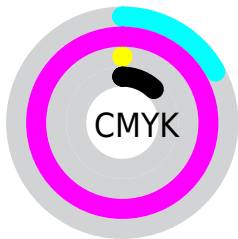
Blue (88%)



Red (73%)

Yellow (0%)

Blue (88%)

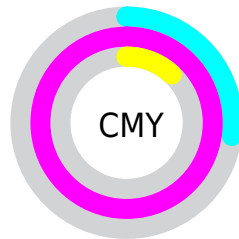


Cyan (17%)

Magenta (100%)

Yellow (0%)

Black (12%)



Cyan (27%)

Magenta (100%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB00E0 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 BB00E0 by changing the saturation by 10% instead.



 BB00E0

 BB00E0

FFFFFF

 9D00C3

 F85BFF

 8000A8

 FF7AFF

 62008C

 FF97FF

 450072

 FFB5FF

 270059

 FFD3FF

 000040

 FFF1FF

 000329

 000113

 000000

 BB00E0

 BF16E0

 C22DE0

 C643E0

 CA5AE0

 CE70E0

 D186E0

 D59DE0

 D9B3E0

 DCCAE0

# Harmonies

## Analogous

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



0064FF



BB00E0



F8008C

# Triad

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



BB00E0



9C6400



0090B0

# Complementary

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



BB00E0



25E000

# 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.



008E53



BB00E0



467E00

# Square

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



BB00E0



D92400



008900



008FFE

# Rectangle

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



BB00E0



FF0051



008900



009092



# Sweetspot

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



BB00E0



F2B3FF



0025E0



785280



000000



808080



# Same Dimension

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



BB00E0



D500FF



E00095



6E6570



9300B0



280030



# Inverse Universe

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



E00025



FF002A



00E04B



706567



B0001D



300008



# Previews

## White Background



This preview shows how the Hex color BB00E0 looks on a white background.

## Color Contrast Check

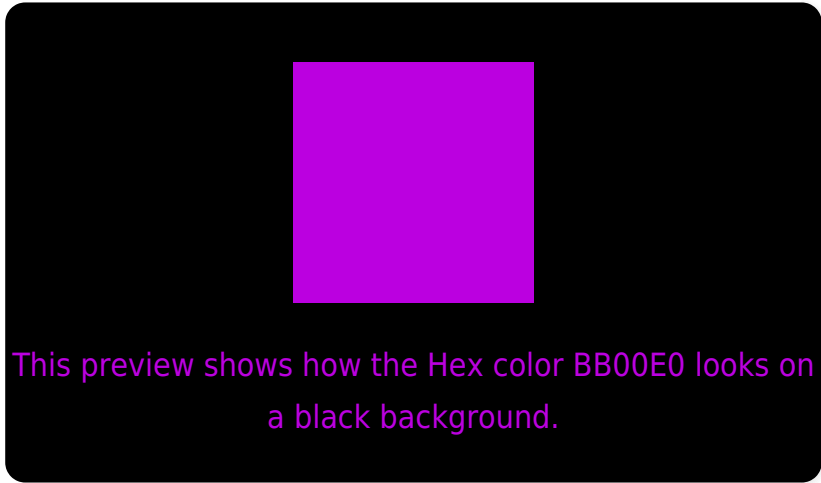
Large Text (above 18pt) WCAG AA ✓ Pass

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

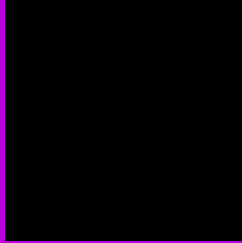
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex BB00E0 Background



This preview shows how black text looks on a background with the Hex color BB00E0.



This preview shows how white text looks on a background with the Hex color BB00E0.

# 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**  
BB00E0

**Protanopia**  
006DE6

**Deuteranopia**  
0073CA



**Tritanopia**  
A9585E

# Trichromacy



**Original Color**  
BB00E0



**Protanomaly**  
4445E4



**Deuteranomaly**  
4449D2



**Tritanomaly**  
B0388D

# Monochromacy



**Original Color**  
BB00E0



**Achromatopsia**  
515151



**Achromatomaly**  
783485

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB00E0 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 #BB00E0 looks like.

```
.text, #text, p{  
    color:#BB00E0  
}
```

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 #BB00E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB00E0
}
```

## Border

The CSS property to change the border of an element to Hex BB00E0 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
#BB00E0 }
```

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

```
.border{ border-color:#BB00E0 }
```

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

Here you see how a box with a 4 pixel #BB00E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB00E0; -webkit-box-shadow:4px 4px  
4px 4px #BB00E0; box-shadow:4px 4px 4px  
4px #BB00E0 }
```

# Background

The CSS property to change the background color of an element to Hex BB00E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB00E0 }
```

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

```
.background{ background-color:#BB00E0 }
```

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**