

# Converting Colors

Hex(BB44BE)

Have a look what the booklet for  
Hex(BB44BE) contains.

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# Color

**Hex(BB44BE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB44BE
RGB	187, 68, 190
RGB Percent	73%, 27%, 75%
CMY	0.2667, 0.7333, 0.2549
CMYK	0.02, 0.64, 0.00, 0.25
HSL	299°, 48%, 51%
HSV	299°, 64%, 75%
XYZ	31.8549, 18.4167, 50.5910
YIQ	117.4890, 31.7620, 63.1700

# Conversions

## Conversions Part 2

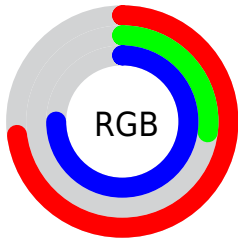
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 68, 190
Decimal	12272830
CIELab	50.00, 62.84, -41.12
CIElCh	50, 75.093, 326.801
Yxy	18.4167, 0.3158, 0.1826
Android (android.graphics.Color)	4290462910 (0xFFBB44BE)
YUV	117.4890, 35.7479, 60.9611
Hunter-Lab	42.9147, 57.3968, -39.8551

# Details

The Hex color **BB44BE** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **47BE44**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **F67CF7**, and **820088** is the 20% darker color. If you saturate the color by 10%, you get **BB31BE**, and if you desaturate by 10%, it is **BB57BE**.

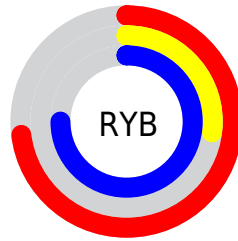
# Distribution



Red (73%)

Green (27%)

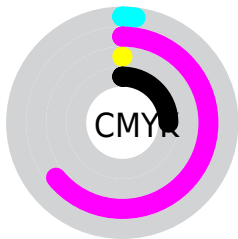
Blue (75%)



Red (73%)

Yellow (27%)

Blue (75%)

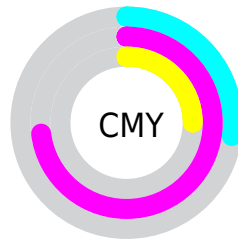


Cyan (2%)

Magenta (64%)

Yellow (0%)

Black (25%)



Cyan (27%)

Magenta (73%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB44BE 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 BB44BE by changing the saturation by 10% instead.



 BB44BE

 BB44BE

FFFFFF

 9E25A3

 F67CF7

 820088

 FF98FF

 67006E

 FFB5FF

 4C0055

 FFD2FF

 34003E

 FFEFFF

 130027

 00010F

 000000

 BB44BE

 BB44BE

 BB31BE

 BB57BE

 BA1EBE

 BC6ABE

 BA0BBE

 BC7DBE

 B900BE

 BD90BE

 BDA3BE

 BEB6BE

 BEC9BE

 BFDCBE

 BFEFBE

# Harmonies

## Analogous

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



5D69EA



BB44BE



E11D81

# Triad

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



BB44BE



967200



0092AF

# Complementary

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



BB44BE



47BE44

# 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.



00916E



BB44BE



588400

# Square

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



BB44BE



C55500



008D29



008EE2

# Rectangle

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



BB44BE



E42356



008D29



00929A



# Sweetspot

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



BB44BE



F6C8F7



4448BE



7C607D



FCFCFC



7D7D7D



# Same Dimension

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



BB44BE



F339F7



BE4485



5E555E



9A009E



1E001F



# Inverse Universe

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



BE4447



F7393E



44BE7D



5E5555



9E0004



1F0001



# Previews

## White Background



This preview shows how the Hex color BB44BE looks on a white background.

## Color Contrast Check

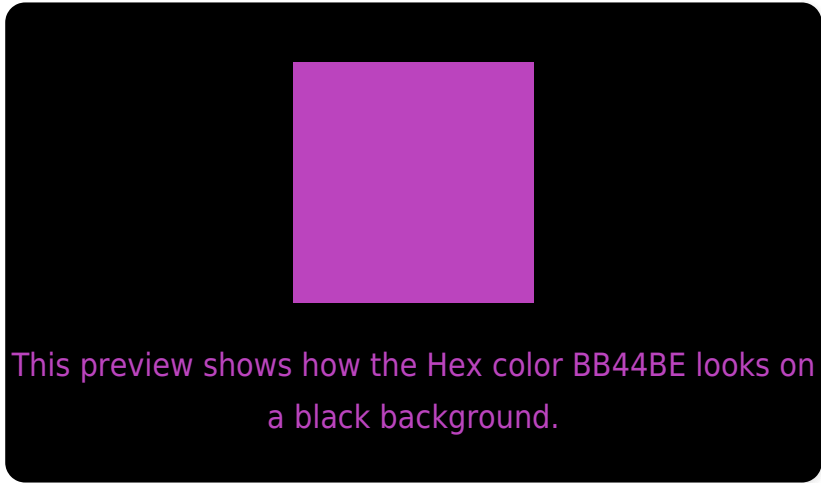
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

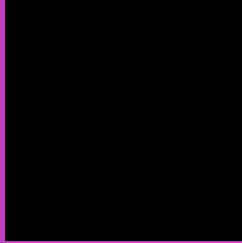
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex BB44BE Background



This preview shows how black text looks on a background with the Hex color BB44BE.

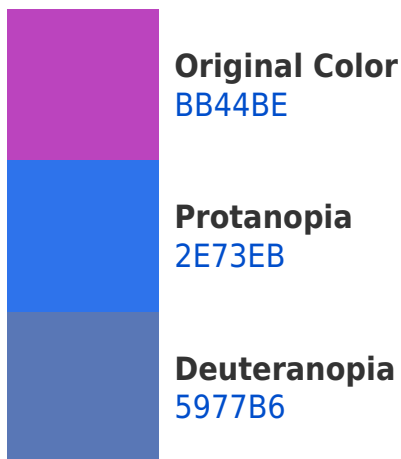


This preview shows how white text looks on a background with the Hex color BB44BE.

# 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**  
B15F66

# Trichromacy



**Original Color**  
BB44BE



**Protanomaly**  
6162DB



**Deuteranomaly**  
7D64B9



**Tritanomaly**  
B55586

# Monochromacy



**Original Color**  
BB44BE



**Achromatopsia**  
757575



**Achromatomaly**  
8E6390

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB44BE 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 #BB44BE looks like.

```
.text, #text, p{  
    color:#BB44BE  
}
```

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 #BB44BE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB44BE
}
```

## Border

The CSS property to change the border of an element to Hex BB44BE 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
#BB44BE }
```

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

```
.border{ border-color:#BB44BE }
```

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

Here you see how a box with a 4 pixel #BB44BE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB44BE; -webkit-box-shadow:4px 4px  
4px 4px #BB44BE; box-shadow:4px 4px 4px  
4px #BB44BE }
```

# Background

The CSS property to change the background color of an element to Hex BB44BE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB44BE }
```

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

```
.background{ background-color:#BB44BE }
```

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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