

# Converting Colors

Hex(BB47C8)

Have a look what the booklet for  
Hex(BB47C8) contains.

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# Color

Hex(**BB47C8**)

# Conversions

## Conversions Part 1

Format	Color
Hex	BB47C8
RGB	187, 71, 200
RGB Percent	73%, 28%, 78%
CMY	0.2667, 0.7216, 0.2157
CMYK	0.07, 0.65, 0.00, 0.22
HSL	294°, 54%, 53%
HSV	294°, 64%, 78%
XYZ	33.1721, 19.2414, 56.6092
YIQ	120.3900, 27.7270, 64.7110

# Conversions

## Conversions Part 2

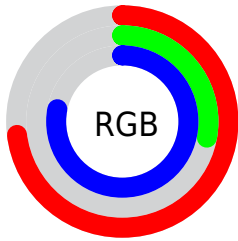
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 71, 200
Decimal	12273608
CIELab	50.97, 63.37, -45.36
CIELCh	51, 77.933, 324.409
Yxy	19.2414, 0.3043, 0.1765
Android (android.graphics.Color)	4290463688 (0xFFBB47C8)
YUV	120.3900, 39.2477, 58.4170
Hunter-Lab	43.8650, 58.2234, -45.8101

# Details

The Hex color **BB47C8** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **54C847**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **F67FFF**, and **820091** is the 20% darker color. If you saturate the color by 10%, you get **B933C8**, and if you desaturate by 10%, it is **BD5BC8**.

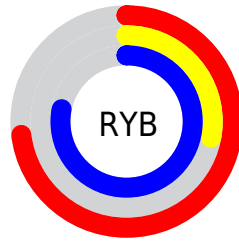
# Distribution



Red (73%)

Green (28%)

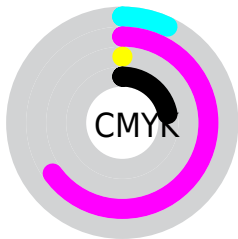
Blue (78%)



Red (73%)

Yellow (28%)

Blue (78%)

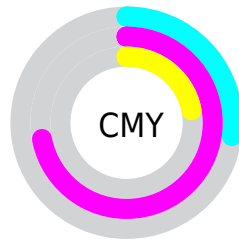


Cyan (7%)

Magenta (65%)

Yellow (0%)

Black (22%)



Cyan (27%)

Magenta (72%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB47C8 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 BB47C8 by changing the saturation by 10% instead.



 BB47C8

 BB47C8

FFFFFF

 9E29AC

 F67FFF

 820091

 FF9BFF

 670077

 FFB8FF

 4B005E

 FFD4FF

 330046

 FFF2FF

 13002E

 000118

 000000

 BB47C8

 BB47C8

 B933C8

 BD5BC8

 B71FC8

 BF6FC8

 B50BC8

 C183C8

 B400C8

 C397C8

 C5ABC8

 C7BFC8

 C9D3C8

 CBE7C8

 CDFBC8

# Harmonies

## Analogous

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



4F6DF4



BB47C8



E61989

# Triad

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



BB47C8



9E7200



0096AF

# Complementary

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



BB47C8



54C847

# 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.



00956A



BB47C8



5F8600

# Square

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



BB47C8



CD5300



009021



0092E6

# Rectangle

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



BB47C8



EB1A5D



009021



009699



# Sweetspot

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



BB47C8



FACFFF



4756C8



7D6280



000000



808080



# Same Dimension

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



BB47C8



EB3BFF



C84797



625A63



9300A3



200024



# Inverse Universe

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



C84754



FF3B4E



47C878



635A5B



A30010



240004



# Previews

## White Background



This preview shows how the Hex color BB47C8 looks on a white background.

## Color Contrast Check

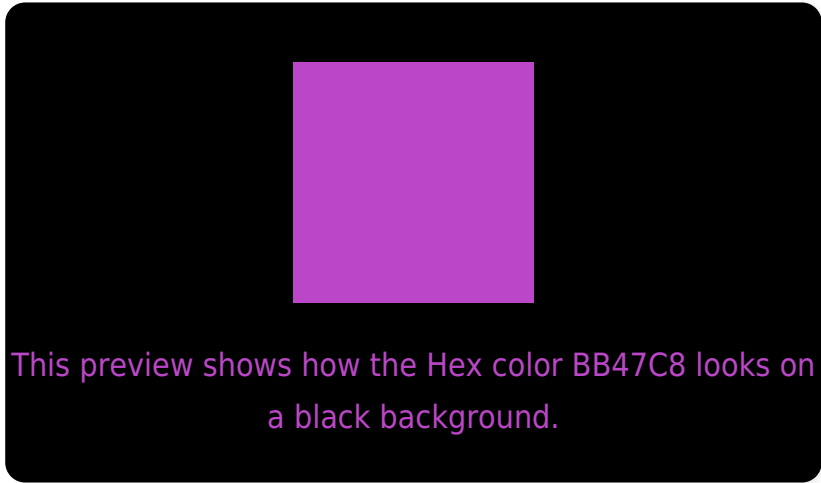
Large Text (above 18pt) WCAG AA ✓ Pass

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

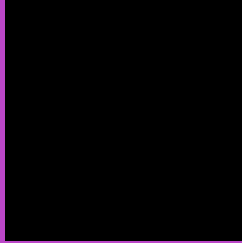
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex BB47C8 Background



This preview shows how black text looks on a background with the Hex color BB47C8.

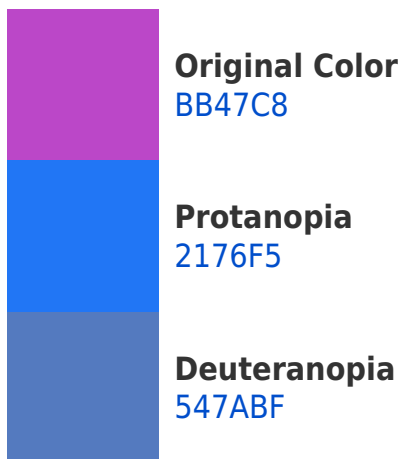



This preview shows how white text looks on a background with the Hex color BB47C8.

# 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](#).

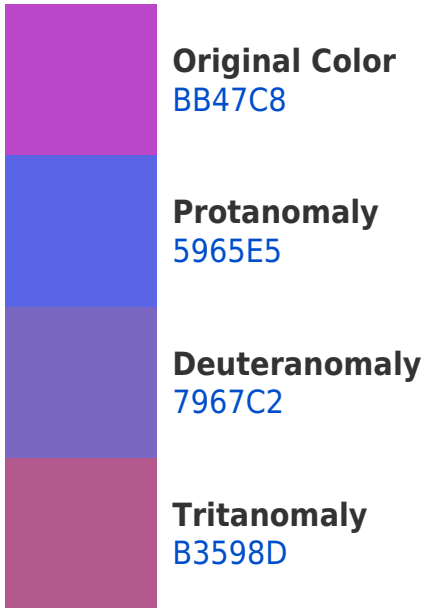
## Dichromacy



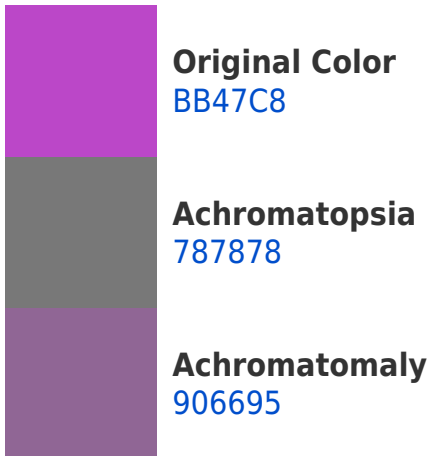


**Tritanopia**  
AF636B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB47C8 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 #BB47C8 looks like.

```
.text, #text, p{  
    color:#BB47C8  
}
```

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 #BB47C8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB47C8
}
```

## Border

The CSS property to change the border of an element to Hex BB47C8 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
#BB47C8 }
```

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

```
.border{ border-color:#BB47C8 }
```

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

Here you see how a box with a 4 pixel #BB47C8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB47C8; -webkit-box-shadow:4px 4px  
4px 4px #BB47C8; box-shadow:4px 4px 4px  
4px #BB47C8 }
```

# Background

The CSS property to change the background color of an element to Hex BB47C8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB47C8 }
```

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

```
.background{ background-color:#BB47C8 }
```

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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