

# Converting Colors

Hex(BB76B1)

Have a look what the booklet for  
Hex(BB76B1) contains.

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# **Color**

**Hex(BB76B1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB76B1
RGB	187, 118, 177
RGB Percent	73%, 46%, 69%
CMY	0.2667, 0.5373, 0.3059
CMYK	0.00, 0.37, 0.05, 0.27
HSL	309°, 34%, 60%
HSV	309°, 37%, 73%
XYZ	34.9078, 26.6960, 44.9080
YIQ	145.3570, 22.1850, 32.9770

# Conversions

## Conversions Part 2

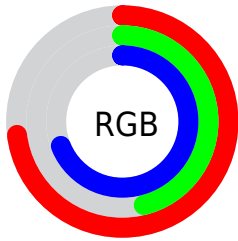
Format	Color
<a href="#">RYB</a>	<a href="#">187, 118, 177</a>
Decimal	<a href="#">12285617</a>
CIELab	<a href="#">58.69, 36.12, -20.09</a>
CIElCh	<a href="#">59, 41.333, 330.911</a>
Yxy	<a href="#">26.6960, 0.3277, 0.2506</a>
Android (android.graphics.Color)	<a href="#">4290475697 (0xFFBB76B1)</a>
YUV	<a href="#">145.3570, 15.6000, 36.5209</a>
Hunter-Lab	<a href="#">51.6682, 30.1779, -15.3649</a>

# Details

The Hex color **BB76B1** is a light color, and the websafe version is hex **996699**. A complement of this color would be **76BB80**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **F4ABE9**, and **84447C** is the 20% darker color. If you saturate the color by 10%, you get **BB63AE**, and if you desaturate by 10%, it is **BB89B4**.

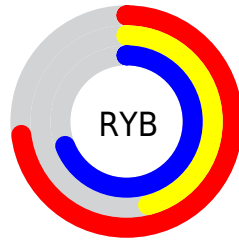
# Distribution



Red (73%)

Green (46%)

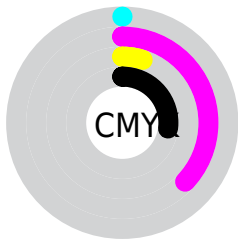
Blue (69%)



Red (73%)

Yellow (46%)

Blue (69%)

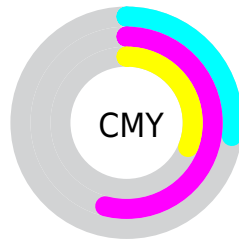


Cyan (0%)

Magenta (37%)

Yellow (5%)

Black (27%)



Cyan (27%)

Magenta (54%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB76B1 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 BB76B1 by changing the saturation by 10% instead.



 BB76B1

 BB76B1

FFFFFF

 9F5C96


 F4ABE9

 84447C

 FFC7FF

 6A2B63

 FFE3FF

 51124B

 380034

 24001F

 000001

 000000

 BB76B1

 BB76B1

 BB63AE

 BB89B4

 BB51AC

 BB9BB6

 BB3EA9

 BBAEB9

 BB2BA6

 BBC1BC

 BB19A3

 BBD4BF

 BB06A1

 BBE6C1

 BB00A0

 BBF9C4

 BBFFC7

 BBFFC9

# Harmonies

## Analogous

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



9183CB



BB76B1



D06F8D

# Triad

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



BB76B1



A28B43



009FB1

# Complementary

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



BB76B1



76BB80

# 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.



00A08D



BB76B1



7D964D

# Square

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



BB76B1



BF7F4E



4F9D69



009ACC

# Rectangle

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



BB76B1



D27175



4F9D69



00A0A6



# Sweetspot

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



BB76B1



F2D8EE



7F76BB



7A6A78



FAFAFA



7A7A7A



# Same Dimension

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



BB76B1



F288E3



BB768F



5E555D



9E0087



1F001A



# Inverse Universe

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



BB76B1



F288E3



76BBA2



5E555D



9E0087

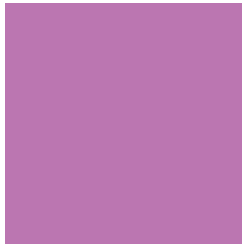


1F001A



# Previews

## White Background



This preview shows how the Hex color BB76B1 looks on a white background.

## Color Contrast Check

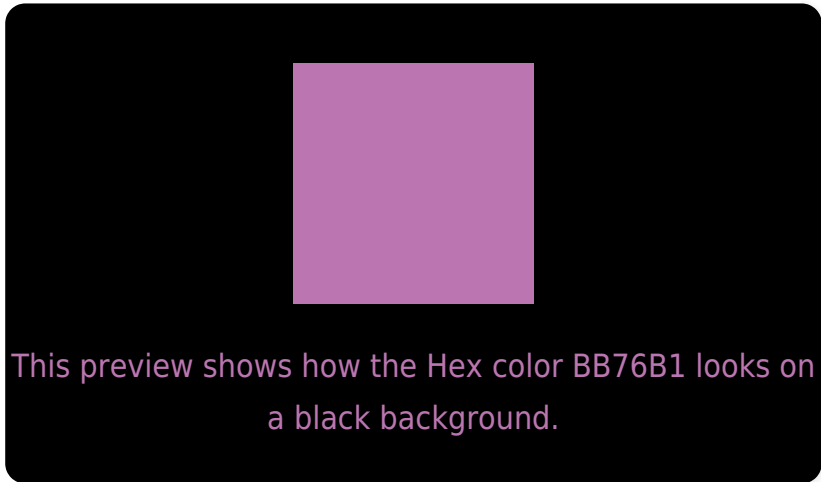
Large Text (above 18pt) WCAG AA ✓ Pass

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

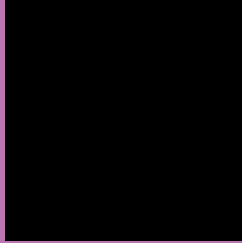
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex BB76B1 Background



This preview shows how black text looks on a background with the Hex color BB76B1.

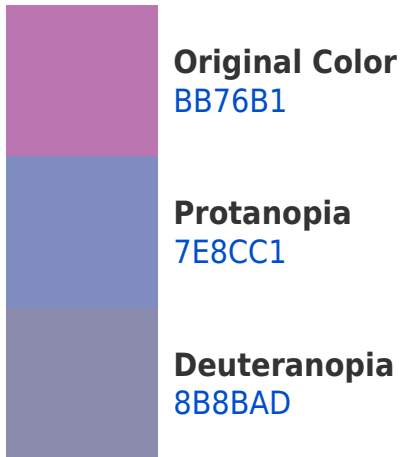


This preview shows how white text looks on a background with the Hex color BB76B1.

# 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](#).

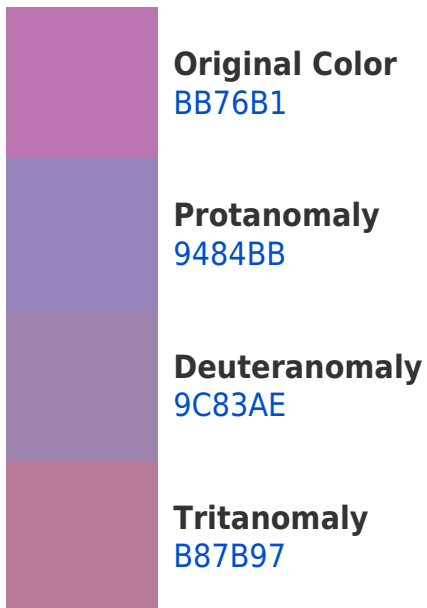
## Dichromacy



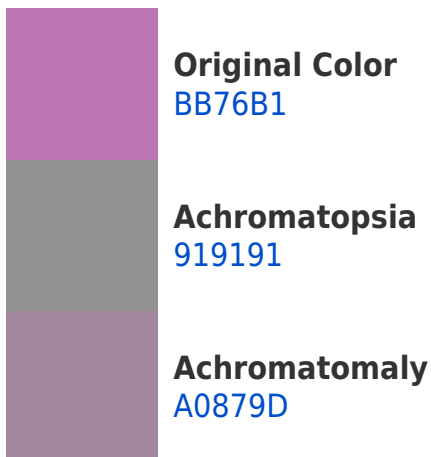


**Tritanopia**  
B67E88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB76B1 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 #BB76B1 looks like.

```
.text, #text, p{  
    color:#BB76B1  
}
```

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 #BB76B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB76B1
}
```

## Border

The CSS property to change the border of an element to Hex BB76B1 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
#BB76B1 }
```

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

```
.border{ border-color:#BB76B1 }
```

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

Here you see how a box with a 4 pixel #BB76B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB76B1; -webkit-box-shadow:4px 4px  
4px 4px #BB76B1; box-shadow:4px 4px 4px  
4px #BB76B1 }
```

# Background

The CSS property to change the background color of an element to Hex BB76B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB76B1 }
```

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

```
.background{ background-color:#BB76B1 }
```

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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