

# Converting Colors

Hex(BB86EC)

Have a look what the booklet for  
Hex(BB86EC) contains.

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# **Color**

**Hex(BB86EC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB86EC
RGB	187, 134, 236
RGB Percent	73%, 53%, 93%
CMY	0.2667, 0.4745, 0.0745
CMYK	0.21, 0.43, 0.00, 0.07
HSL	271°, 73%, 73%
HSV	271°, 43%, 93%
XYZ	44.1589, 33.6711, 83.5286
YIQ	161.4750, -1.1540, 42.9580

# Conversions

## Conversions Part 2

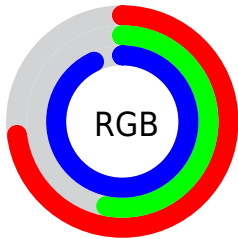
Format	Color
<a href="#">RYB</a>	<a href="#">187, 134, 236</a>
Decimal	<a href="#">12289772</a>
CIELab	<a href="#">64.70, 39.41, -43.95</a>
CIElCh	<a href="#">65, 59.027, 311.882</a>
Yxy	<a href="#">33.6711, 0.2737, 0.2087</a>
Android (android.graphics.Color)	<a href="#">4290479852 (0xFFBB86EC)</a>
YUV	<a href="#">161.4750, 36.7408, 22.3854</a>
Hunter-Lab	<a href="#">58.0268, 34.2932, -44.7282</a>

# Details

The Hex color **BB86EC** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **B7EC86**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **F5BCFF**, and **8453B4** is the 20% darker color. If you saturate the color by 10%, you get **B06EEC**, and if you desaturate by 10%, it is **C69EEC**.

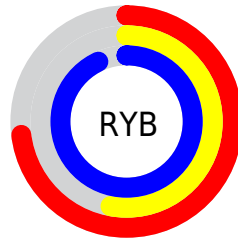
# Distribution



Red (73%)

Green (53%)

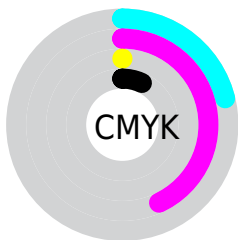
Blue (93%)



Red (73%)

Yellow (53%)

Blue (93%)

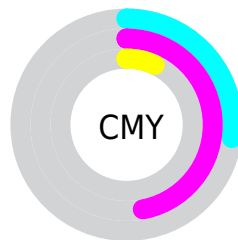


Cyan (21%)

Magenta (43%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (47%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB86EC 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 BB86EC by changing the saturation by 10% instead.



 BB86EC

 BB86EC

FFFFFF

 9F6CCF

 F5BCFF

 8453B4

 FFD8FF

 693A99

 FFF5FF

 4E227E

 340965

 1A004C

 000035

 00021E

 000001

 BB86EC

 BB86EC

 B06EEC

 C69EEC

 A457EC

 D2B5EC

 993FEC

 DDCDEC

 8E28EC

 E8E4EC

 8210EC

 F4FCEC

 7B00EC

 FFFFEC

# Harmonies

## Analogous

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



5F9CFF



BB86EC



EC72BF

# Triad

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



BB86EC



D38F34



00B7B1

# Complementary

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



BB86EC



B7EC86

# 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.



00B47A



BB86EC



A5A12C

# Square

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



BB86EC



F37A59



6BAD4A



00B4E2

# Rectangle

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



BB86EC



FB6C9C



6BAD4A



00B69F



# Sweetspot

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



BB86EC



EFDEFF



86B7EC



766B80



000000



808080



# Same Dimension

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



BB86EC



BF7AFF



EC86EA



706A75



5E00B5



1C0036



# Inverse Universe

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



EC86B7



FF7ABA



86EC88



756A6F



B50057

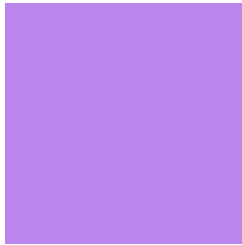


36001A



# Previews

## White Background



This preview shows how the Hex color BB86EC looks on a white background.

## Color Contrast Check

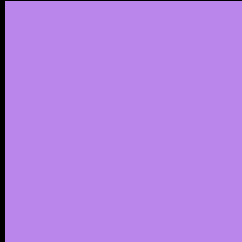
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color BB86EC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

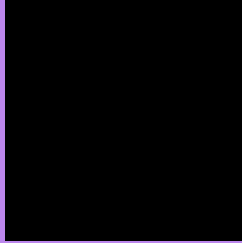
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex BB86EC Background



This preview shows how black text looks on a background with the Hex color BB86EC.

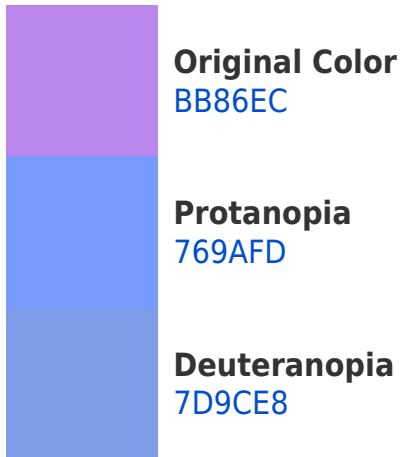


This preview shows how white text looks on a background with the Hex color BB86EC.

# 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](#).

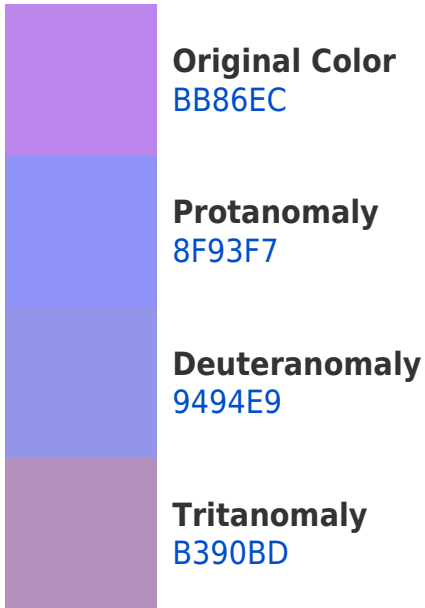
## Dichromacy



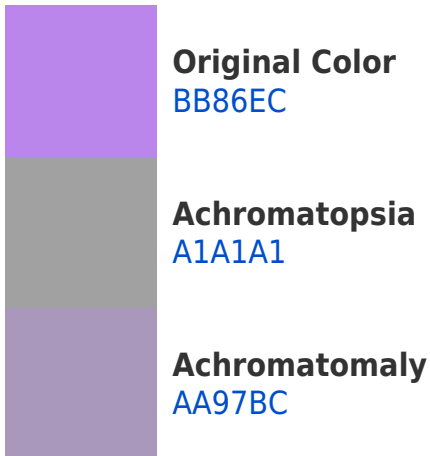


**Tritanopia**  
AF96A2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB86EC 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 #BB86EC looks like.

```
.text, #text, p{  
    color:#BB86EC  
}
```

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 #BB86EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB86EC
}
```

## Border

The CSS property to change the border of an element to Hex BB86EC is called "border". The border property can be set on classes, ids or directly on the HTML element.

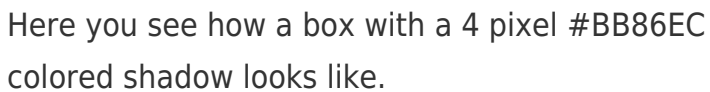
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#BB86EC }
```

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

```
.border{ border-color:#BB86EC }
```

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



Here you see how a box with a 4 pixel #BB86EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB86EC; -webkit-box-shadow:4px 4px  
4px 4px #BB86EC; box-shadow:4px 4px 4px  
4px #BB86EC }
```

# Background

The CSS property to change the background color of an element to Hex BB86EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB86EC }
```

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

```
.background{ background-color:#BB86EC }
```

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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