

# Converting Colors

Hex(B77CEE)

Have a look what the booklet for  
Hex(B77CEE) contains.

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# Color

Hex(**B77CEE**)

# Conversions

## Conversions Part 1

Format	Color
Hex	B77CEE
RGB	183, 124, 238
RGB Percent	72%, 49%, 93%
CMY	0.2824, 0.5137, 0.0667
CMYK	0.23, 0.48, 0.00, 0.07
HSL	271°, 77%, 71%
HSV	271°, 48%, 93%
XYZ	42.1687, 30.6556, 84.5835
YIQ	154.6370, -1.4300, 47.9620

# Conversions

## Conversions Part 2

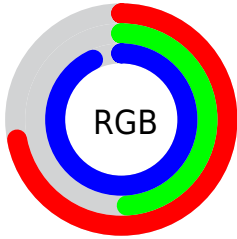
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">183, 124, 238</a>
Decimal	<a href="#">12025070</a>
CIELab	<a href="#">62.22, 44.21, -49.00</a>
CIELCh	<a href="#">62, 65.995, 312.059</a>
Yxy	<a href="#">30.6556, 0.2679, 0.1948</a>
Android (android.graphics.Color)	<a href="#">4290215150 (0xFFB77CEE)</a>
YUV	<a href="#">154.6370, 41.0980, 24.8744</a>
Hunter-Lab	<a href="#">55.3675, 39.0550, -51.8185</a>

# Details

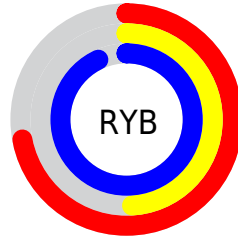
The Hex color **B77CEE** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **B3EE7C**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **F1B2FF**, and **7F49B5** is the 20% darker color. If you saturate the color by 10%, you get **AC64EE**, and if you desaturate by 10%, it is **C294EE**.

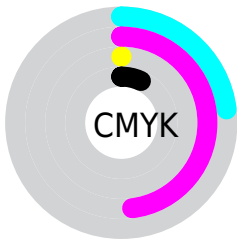
# Distribution



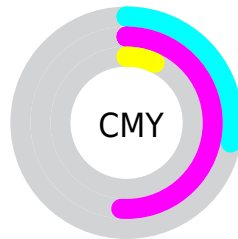
- Red (72%)
- Green (49%)
- Blue (93%)



- Red (72%)
- Yellow (49%)
- Blue (93%)



- Cyan (23%)
- Magenta (48%)
- Yellow (0%)
- Black (7%)



- Cyan (28%)
- Magenta (51%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B77CEE 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 B77CEE by changing the saturation by 10% instead.



 B77CEE

 B77CEE

FFFFFF

 9B62D1

 F1B2FF

 7F49B5

 FFCEFF

 64309A

 FFEAFF

 491780

 2E0066

 13004D

 000036

 00021F

 000003

 B77CEE

 B77CEE

 AC64EE

 C294EE

 A04CEE

 CEACEE

 9535EE

 D9C3EE

 891DEE

 E5DBEE

 7E05EE

 F0F3EE

 7B00EE

 FCFEE

 FFFFEE

# Harmonies

## Analogous

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



4395FF



B77CEE



EE63BC

# Triad

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



B77CEE



D0871B



00B2AD

# Complementary

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



B77CEE



B3EE7C

# 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.



00AF70



B77CEE



9D9B06

# Square

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



B77CEE



F36E4A



5BA838



00AFE4

# Rectangle

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



B77CEE



FD5B95



5BA838



00B299



# Sweetspot

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



B77CEE



EEDBFF



7CB3EE



756A80



000000



808080



# Same Dimension

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



B77CEE



B96EFF



EE7CEC



726C78



5F00B8



1D0038



# Inverse Universe

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



EE7CB3



FF6EB4



7CEE7E



786C72



B80059

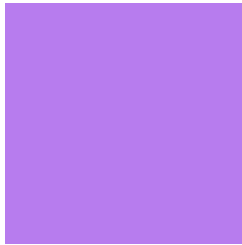


38001B



# Previews

## White Background



This preview shows how the Hex color B77CEE looks on a white background.

## Color Contrast Check

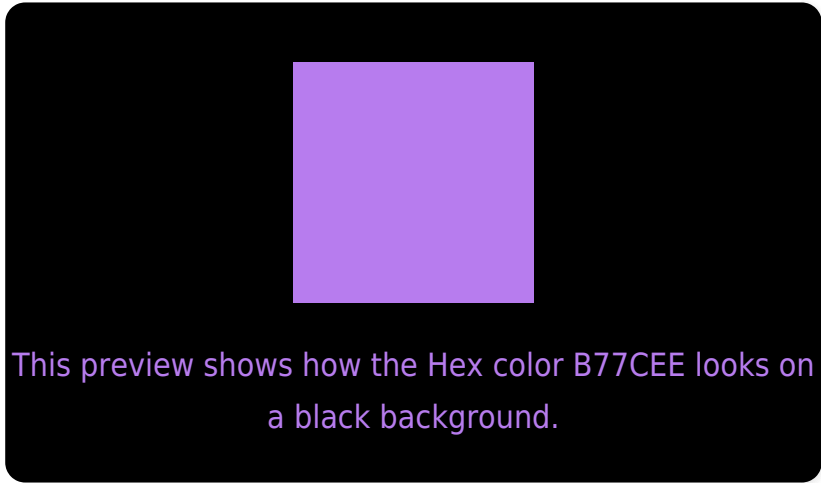
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

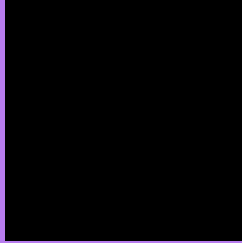
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex B77CEE Background



This preview shows how black text looks on a background with the Hex color B77CEE.

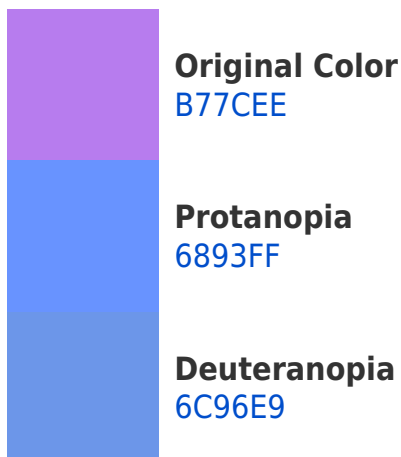


This preview shows how white text looks on a background with the Hex color B77CEE.

# 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](#).

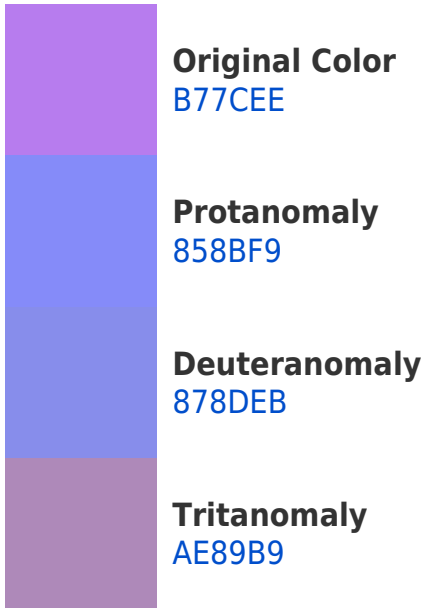
## Dichromacy



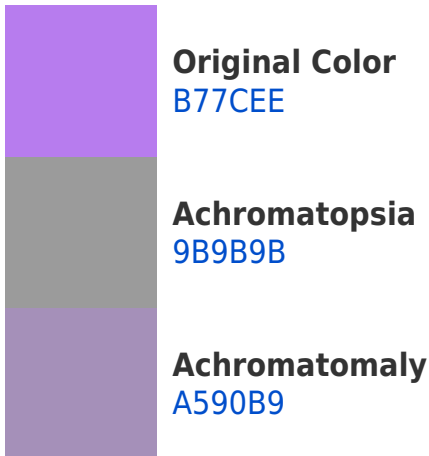


**Tritanopia**  
A9909B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B77CEE 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 #B77CEE looks like.

```
.text, #text, p{  
    color:#B77CEE  
}
```

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 #B77CEE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B77CEE
}
```

## Border

The CSS property to change the border of an element to Hex B77CEE is called "border". The border property can be set on classes, ids or directly on the HTML element.

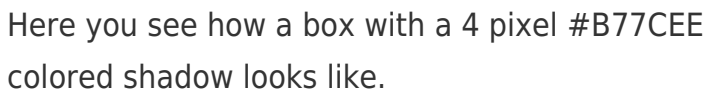
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B77CEE }
```

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

```
.border{ border-color:#B77CEE }
```

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



Here you see how a box with a 4 pixel #B77CEE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B77CEE; -webkit-box-shadow:4px 4px  
4px 4px #B77CEE; box-shadow:4px 4px 4px  
4px #B77CEE }
```

# Background

The CSS property to change the background color of an element to Hex B77CEE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B77CEE }
```

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

```
.background{ background-color:#B77CEE }
```

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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