

# Converting Colors

Hex(B74EB7)

Have a look what the booklet for  
Hex(B74EB7) contains.

<b>Hex(B74EB7)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(B74EB7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<b>B74EB7</b>
RGB	<b>183, 78, 183</b>
RGB Percent	<b>72%, 31%, 72%</b>
CMY	<b>0.2824, 0.6941, 0.2824</b>
CMYK	<b>0.00, 0.57, 0.00, 0.28</b>
HSL	<b>300°, 42%, 51%</b>
HSV	<b>300°, 57%, 72%</b>
XYZ	<b>30.8001, 18.9350, 46.8312</b>
YIQ	<b>121.3650, 28.8750, 54.9150</b>

# Conversions

## Conversions Part 2

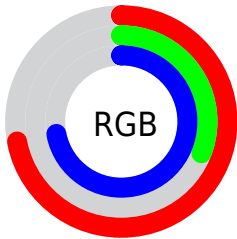
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">183, 78, 183</a>
Decimal	<a href="#">12013239</a>
CIELab	<a href="#">50.61, 56.32, -36.12</a>
CIElCh	<a href="#">51, 66.905, 327.323</a>
Yxy	<a href="#">18.9350, 0.3190, 0.1961</a>
Android (android.graphics.Color)	<a href="#">4290203319 (0xFFB74EB7)</a>
YUV	<a href="#">121.3650, 30.3861, 54.0539</a>
Hunter-Lab	<a href="#">43.5143, 50.1949, -33.3494</a>

# Details

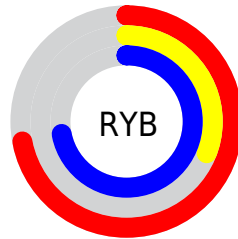
The Hex color **B74EB7** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **4EB74E**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **F184EF**, and **7F1081** is the 20% darker color. If you saturate the color by 10%, you get **B73CB7**, and if you desaturate by 10%, it is **B760B7**.

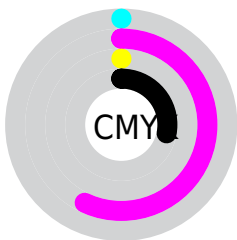
# Distribution



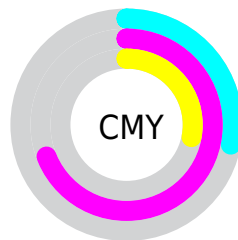
- Red (72%)
- Green (31%)
- Blue (72%)



- Red (72%)
- Yellow (31%)
- Blue (72%)



- Cyan (0%)
- Magenta (57%)
- Yellow (0%)
- Black (28%)



- Cyan (28%)
- Magenta (69%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B74EB7 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 B74EB7 by changing the saturation by 10% instead.



 B74EB7

 B74EB7

FFFFFF

 9B329C

 F184EF

 7F1081

 FFA0FF

 640068

 FFBCFF

 49004F

 FFD9FF

 320038

 FFF6FF

 100022

 000007

 000000

 B74EB7

 B74EB7

 B73CB7

 B760B7

 B729B7

 B773B7

 B717B7

 B785B7

 B705B7

 B797B7

 B700B7

 B7AAB7

 B7BCB7

 B7CEB7

 B7E0B7

 B7F3B7

# Harmonies

## Analogous

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



696CDF



B74EB7



D83780

# Triad

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



B74EB7



967400



0092AC

# Complementary

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



B74EB7



4EB74E

# 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.



009171



B74EB7



5E8400

# Square

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



B74EB7



C05C0E



008D36



008DD8

# Rectangle

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



B74EB7



DC395A



008D36



009299



# Sweetspot

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



B74EB7



EDC5ED



4E4EB7



786078



F7F7F7



787878



# Same Dimension

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



B74EB7



ED4AED



B74E83



5C535C



9C009C



1C001C



# Inverse Universe

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



B74EB7



ED4AED



4EB783



5C535C



9C009C

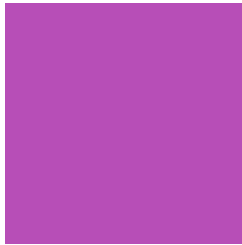


1C001C



# Previews

## White Background



This preview shows how the Hex color B74EB7 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

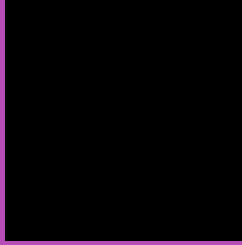
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B74EB7 Background



This preview shows how black text looks on a background with the Hex color B74EB7.

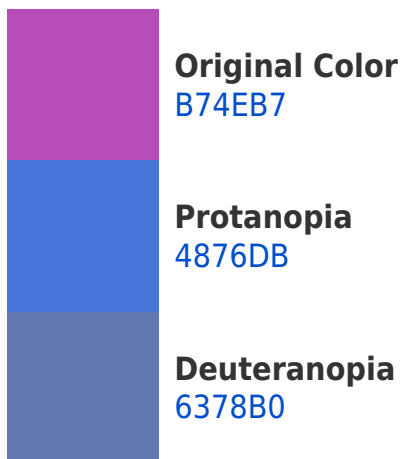



This preview shows how white text looks on a background with the Hex color B74EB7.

# 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](#).

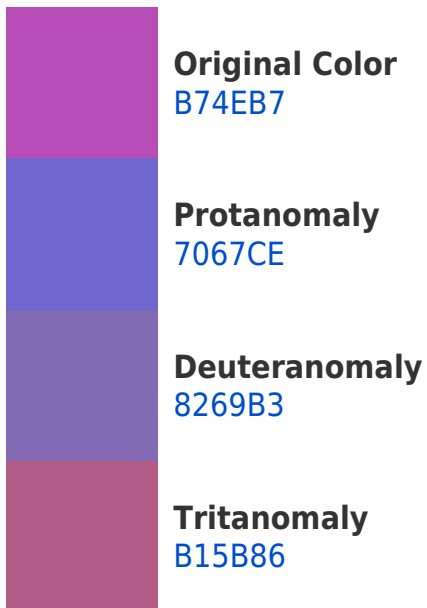
## Dichromacy



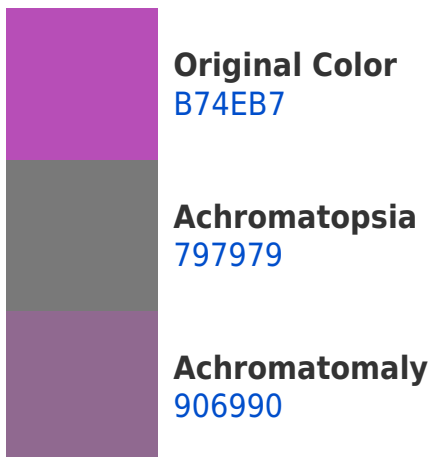


**Tritanopia**  
AE636A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B74EB7 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 #B74EB7 looks like.

```
.text, #text, p{  
  color:#B74EB7  
}
```

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 #B74EB7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B74EB7
}
```

## Border

The CSS property to change the border of an element to Hex B74EB7 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
#B74EB7 }
```

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

```
.border{ border-color:#B74EB7 }
```

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

Here you see how a box with a 4 pixel #B74EB7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B74EB7; -webkit-box-shadow:4px 4px  
4px 4px #B74EB7; box-shadow:4px 4px 4px  
4px #B74EB7 }
```

# Background

The CSS property to change the background color of an element to Hex B74EB7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B74EB7 }
```

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

```
.background{ background-color:#B74EB7 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor