

# Converting Colors

Hex(B75DBD)

Have a look what the booklet for  
Hex(B75DBD) contains.

<b>Hex(B75DBD)</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(B75DBD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B75DBD
RGB	183, 93, 189
RGB Percent	72%, 36%, 74%
CMY	0.2824, 0.6353, 0.2588
CMYK	0.03, 0.51, 0.00, 0.26
HSL	296°, 42%, 55%
HSV	296°, 51%, 74%
XYZ	32.6281, 21.5701, 50.5879
YIQ	130.8540, 22.8240, 48.9360

# Conversions

## Conversions Part 2

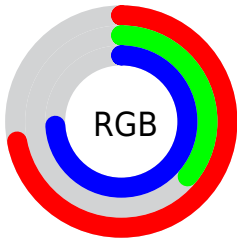
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 93, 189
Decimal	12017085
CIELab	53.57, 50.23, -34.96
CIELCh	54, 61.201, 325.166
Yxy	21.5701, 0.3114, 0.2058
Android (android.graphics.Color)	4290207165 (0xFFB75DBD)
YUV	130.8540, 28.6660, 45.7320
Hunter-Lab	46.4436, 44.1255, -32.0700

# Details

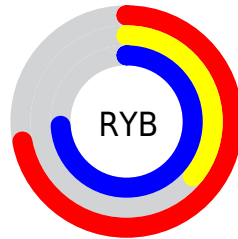
The Hex color **B75DBD** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **63BD5D**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **F193F6**, and **802887** is the 20% darker color. If you saturate the color by 10%, you get **B64ABD**, and if you desaturate by 10%, it is **B870BD**.

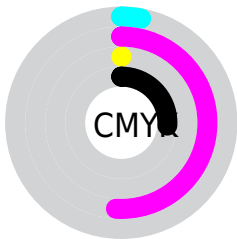
# Distribution



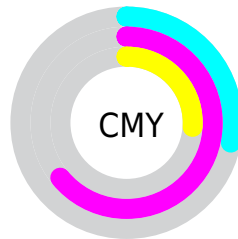
- Red (72%)
- Green (36%)
- Blue (74%)



- Red (72%)
- Yellow (36%)
- Blue (74%)



- Cyan (3%)
- Magenta (51%)
- Yellow (0%)
- Black (26%)



- Cyan (28%)
- Magenta (64%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B75DBD 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 B75DBD by changing the saturation by 10% instead.



 B75DBD

 B75DBD

FFFFFF

 9B43A2

 F193F6

 802887

 FFAEFF

 65046E

 FFCAFF

 4B0055

 FFE7FF

 32003D

 170027

 00010F

 000000

 B75DBD

 B75DBD

 B64ABD

 B870BD

 B537BD

 B983BD

 B324BD

 BB96BD

 B211BD

 BCA9BD

 B100BD

 BDBBBBD

 BECEBD

 BFE1BD

 C0F4BD

 C2FFBD

# Harmonies

## Analogous

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



6E76E0



B75DBD



D94B8B

# Triad

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



B75DBD



A07B00



0098AB

# Complementary

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



B75DBD



63BD5D

# 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.



009875



B75DBD



6E8A0B

# Square

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



B75DBD



C76527



1A9340



0094D6

# Rectangle

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



B75DBD



DE4B68



1A9340



00989A



# Sweetspot

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



B75DBD



F3D0F5



5D63BD



79647A



FAFAFA



7A7A7A



# Same Dimension

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



B75DBD



EB5FF5



BD5D93



5E555E



94009E



1D001F



# Inverse Universe

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



BD5D63



F55F69



5DBD87



5E5556



9E000A



1F0002



# Previews

## White Background



This preview shows how the Hex color B75DBD 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

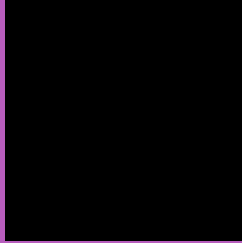
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B75DBD Background



This preview shows how black text looks on a background with the Hex color B75DBD.

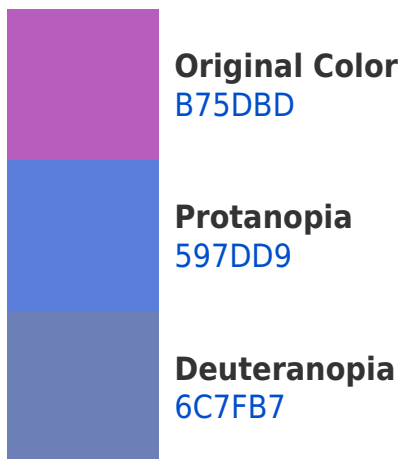


This preview shows how white text looks on a background with the Hex color B75DBD.

# 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](#).

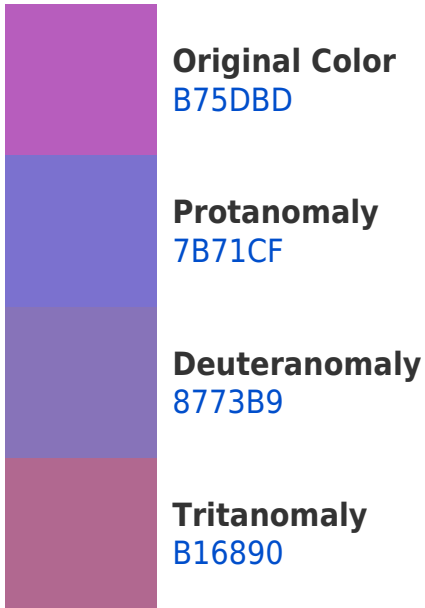
## Dichromacy



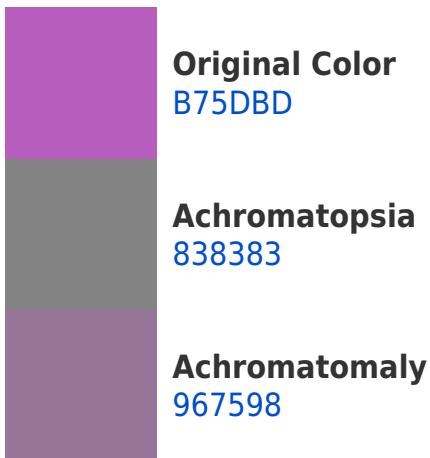


**Tritanopia**  
AE6E77

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B75DBD 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 #B75DBD looks like.

```
.text, #text, p{  
    color:#B75DBD  
}
```

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 #B75DBD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B75DBD
}
```

## Border

The CSS property to change the border of an element to Hex B75DBD is called "border". The border property can be set on classes, ids or directly on the HTML element.

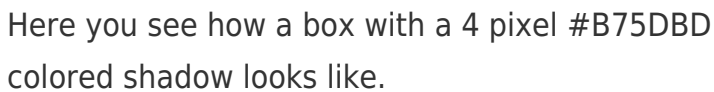
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B75DBD }
```

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

```
.border{ border-color:#B75DBD }
```

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



Here you see how a box with a 4 pixel #B75DBD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B75DBD; -webkit-box-shadow:4px 4px  
4px 4px #B75DBD; box-shadow:4px 4px 4px  
4px #B75DBD }
```

# Background

The CSS property to change the background color of an element to Hex B75DBD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B75DBD }
```

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

```
.background{ background-color:#B75DBD }
```

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