

# Converting Colors

Hex(B76BE0)

Have a look what the booklet for  
Hex(B76BE0) contains.

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# Color

Hex(**B76BE0**)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B76BE0
RGB	183, 107, 224
RGB Percent	72%, 42%, 88%
CMY	0.2824, 0.5804, 0.1216
CMYK	0.18, 0.52, 0.00, 0.12
HSL	279°, 65%, 65%
HSV	279°, 52%, 88%
XYZ	38.2407, 25.9645, 73.5172
YIQ	143.0620, 7.7390, 52.4990

# Conversions

## Conversions Part 2

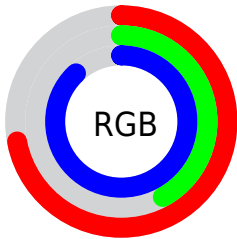
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 107, 224
Decimal	12020704
CIE Lab	58.00, 50.14, -47.87
CIE LCh	58, 69.318, 316.328
Yxy	25.9645, 0.2777, 0.1885
Android (android.graphics.Color)	4290210784 (0xFFB76BE0)
YUV	143.0620, 39.9024, 35.0256
Hunter-Lab	50.9554, 44.7877, -49.8734

# Details

The Hex color **B76BE0** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **94E06B**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **F1A1FF**, and **7F37A8** is the 20% darker color. If you saturate the color by 10%, you get **AF55E0**, and if you desaturate by 10%, it is **BF81E0**.

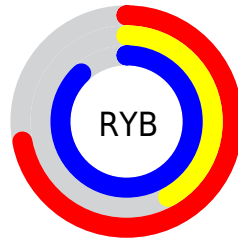
# Distribution



Red (72%)

Green (42%)

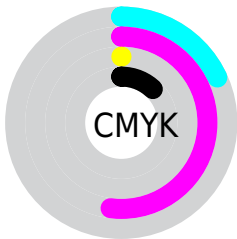
Blue (88%)



Red (72%)

Yellow (42%)

Blue (88%)

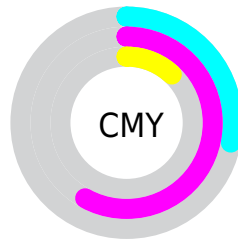


Cyan (18%)

Magenta (52%)

Yellow (0%)

Black (12%)



Cyan (28%)

Magenta (58%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B76BE0 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 B76BE0 by changing the saturation by 10% instead.



 B76BE0

 B76BE0

FFFFFF

 9B51C4

 F1A1FF

 7F37A8

 FFBDFE

 641C8D

 FFD9FF

 490073

 FFF6FF

 2E005A

 160042

 00032A

 000115

 000000

 B76BE0

 B76BE0

 AF55E0

 BF81E0

 A73EE0

 C798E0

 9F28E0

 CFAEE0

 9811E0

 D6C5E0

 9200E0

 DEDBE0

 E6F1E0

 EEFFE0

 F6FFE0

 FEFFE0

# Harmonies

## Analogous

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



4587FF



B76BE0



EA4FAA

# Triad

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



B76BE0



BE7E00



00A7AC

# Complementary

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



B76BE0



94E06B

# 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.



00A56D



B76BE0



889300

# Square

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



B76BE0



E56334



3C9F2F



00A4E2

# Rectangle

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



B76BE0



F64981



3C9F2F



00A797



# Sweetspot

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



B76BE0



F1D6FF



6B96E0



776780



000000



808080



# Same Dimension

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



B76BE0



C75EFF



E06BD0



6C6570



7200B0



1F0030



# Inverse Universe

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



E06B94



FF5E97



6BE07B



706569



B0003E

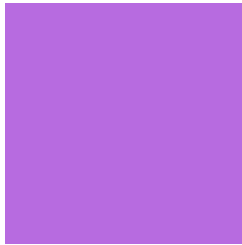


300011



# Previews

## White Background



This preview shows how the Hex color B76BE0 looks on a white background.

## Color Contrast Check

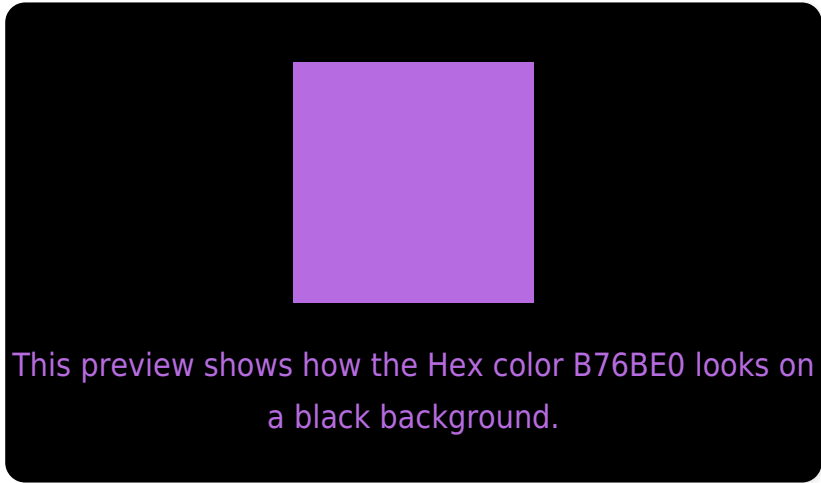
Large Text (above 18pt) WCAG AA ✓ Pass

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

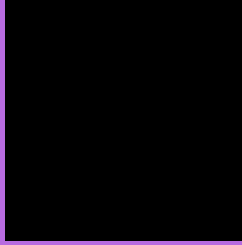
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B76BE0 Background



This preview shows how black text looks on a background with the Hex color B76BE0.

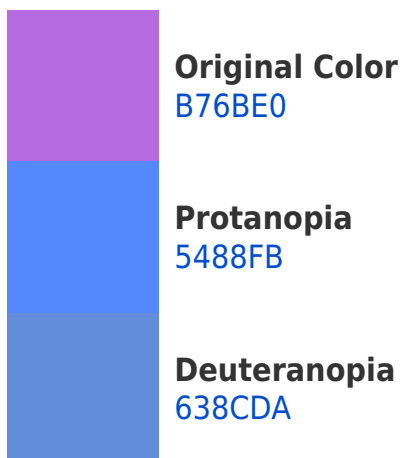



This preview shows how white text looks on a background with the Hex color B76BE0.

# 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**  
AA808A

# Trichromacy



**Original Color**  
B76BE0



**Protanomaly**  
787DF1



**Deuteranomaly**  
8280DC



**Tritanomaly**  
AF78A9

# Monochromacy



**Original Color**  
B76BE0



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
9E82AC

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B76BE0 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 #B76BE0 looks like.

```
.text, #text, p{  
    color:#B76BE0  
}
```

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 #B76BE0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B76BE0
}
```

## Border

The CSS property to change the border of an element to Hex B76BE0 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
#B76BE0 }
```

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

```
.border{ border-color:#B76BE0 }
```

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

Here you see how a box with a 4 pixel #B76BE0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B76BE0; -webkit-box-shadow:4px 4px  
4px 4px #B76BE0; box-shadow:4px 4px 4px  
4px #B76BE0 }
```

# Background

The CSS property to change the background color of an element to Hex B76BE0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B76BE0 }
```

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

```
.background{ background-color:#B76BE0 }
```

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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