

# Converting Colors

Hex(BD85E4)

Have a look what the booklet for  
Hex(BD85E4) contains.

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# **Color**

**Hex(BD85E4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD85E4
RGB	189, 133, 228
RGB Percent	74%, 52%, 89%
CMY	0.2588, 0.4784, 0.1059
CMYK	0.17, 0.42, 0.00, 0.11
HSL	275°, 64%, 71%
HSV	275°, 42%, 89%
XYZ	43.3774, 33.1953, 77.5199
YIQ	160.5740, 2.8810, 41.4170

# Conversions

## Conversions Part 2

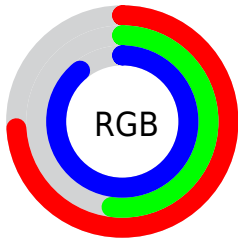
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">189, 133, 228</a>
Decimal	<a href="#">12420580</a>
CIELab	<a href="#">64.32, 38.76, -40.11</a>
CIELCh	<a href="#">64, 55.771, 314.019</a>
Yxy	<a href="#">33.1953, 0.2815, 0.2154</a>
Android (android.graphics.Color)	<a href="#">4290610660</a> ( <a href="#">0xFFBD85E4</a> )
YUV	<a href="#">160.5740, 33.2410, 24.9296</a>
Hunter-Lab	<a href="#">57.6154, 33.5619, -39.4423</a>

# Details

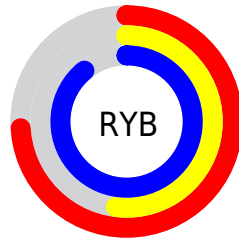
The Hex color **BD85E4** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **ACE485**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **F7BBFF**, and **8652AC** is the 20% darker color. If you saturate the color by 10%, you get **B46EE4**, and if you desaturate by 10%, it is **C69CE4**.

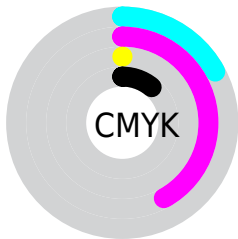
# Distribution



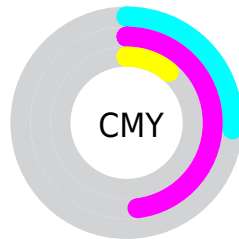
- Red (74%)
- Green (52%)
- Blue (89%)



- Red (74%)
- Yellow (52%)
- Blue (89%)



- Cyan (17%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)



- Cyan (26%)
- Magenta (48%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD85E4 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 BD85E4 by changing the saturation by 10% instead.



 BD85E4

 BD85E4

FFFFFF

 A16BC8

 F7BBFF

 8652AC

 FFD7FF

 6B3991

 FFF4FF

 512177

 38075E

 1F0046

 00002F

 000119

 000000

 BD85E4

 BD85E4

 B46EE4

 C69CE4

 AA57E4

 D0B3E4

 A141E4

 D9C9E4

 982AE4

 E2E0E4

 8E13E4

 ECF7E4

 8600E4

 F5FFE4

 FFFFE4

# Harmonies

## Analogous

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



6D99FD



BD85E4



E973B9

# Triad

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



BD85E4



CD9039



00B4B2

# Complementary

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



BD85E4



ACE485

# 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.



00B37F



BD85E4



A1A134

# Square

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



BD85E4



ED7D59



69AC51



00B2E0

# Rectangle

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



BD85E4



F66F97



69AC51



00B4A1



# Sweetspot

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



BD85E4



F1DEFF



85ADE4



776B80



000000



808080



# Same Dimension

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



BD85E4



CB80FF



E485DC



6E6773



6900B3



1E0033



# Inverse Universe

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



E485AC



FF80B4



85E48D



73676C



B30049

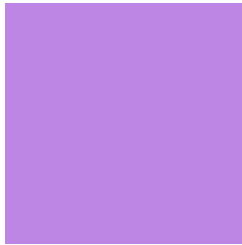


330015



# Previews

## White Background



This preview shows how the Hex color BD85E4 looks on a white background.

## Color Contrast Check

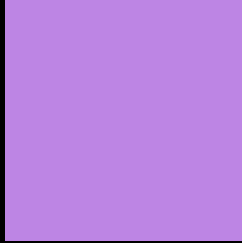
Large Text (above 18pt) WCAG AA × Fail

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 BD85E4 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 BD85E4 Background



This preview shows how black text looks on a background with the Hex color BD85E4.

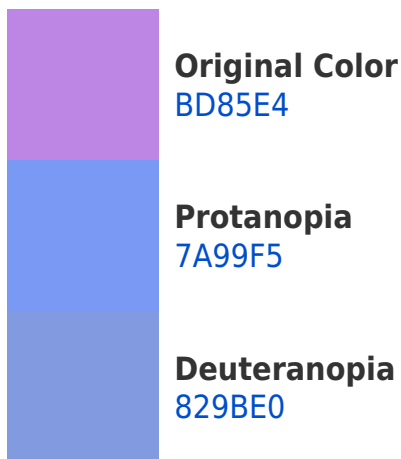


This preview shows how white text looks on a background with the Hex color BD85E4.

# 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](#).

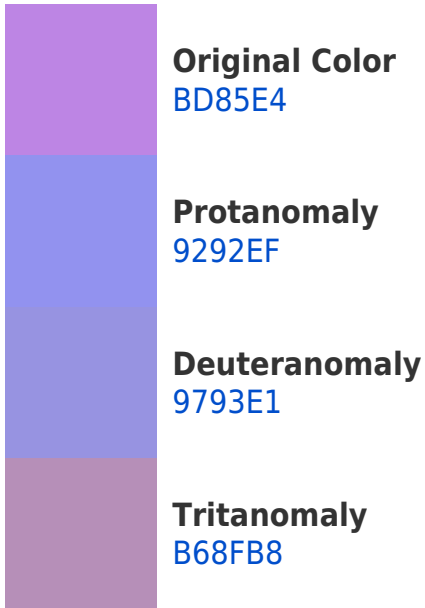
## Dichromacy



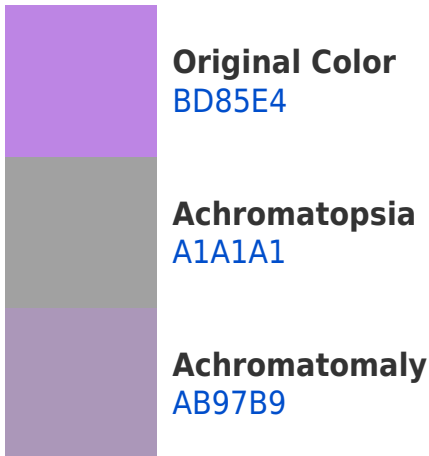


**Tritanopia**  
B2949F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD85E4 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 #BD85E4 looks like.

```
.text, #text, p{  
    color:#BD85E4  
}
```

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 #BD85E4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD85E4
}
```

## Border

The CSS property to change the border of an element to Hex BD85E4 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
#BD85E4 }
```

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

```
.border{ border-color:#BD85E4 }
```

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

Here you see how a box with a 4 pixel #BD85E4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD85E4; -webkit-box-shadow:4px 4px  
4px 4px #BD85E4; box-shadow:4px 4px 4px  
4px #BD85E4 }
```

# Background

The CSS property to change the background color of an element to Hex BD85E4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD85E4 }
```

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

```
.background{ background-color:#BD85E4 }
```

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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