

# Converting Colors

Hex(B86DC8)

Have a look what the booklet for  
Hex(B86DC8) contains.

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# **Color**

**Hex(B86DC8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B86DC8
RGB	184, 109, 200
RGB Percent	72%, 43%, 78%
CMY	0.2784, 0.5725, 0.2157
CMYK	0.08, 0.45, 0.00, 0.22
HSL	289°, 45%, 61%
HSV	289°, 46%, 78%
XYZ	35.6611, 25.2978, 57.6470
YIQ	141.7990, 15.4890, 44.2010

# Conversions

## Conversions Part 2

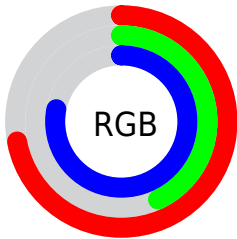
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 109, 200
Decimal	12086728
CIELab	57.36, 44.40, -35.31
CIELCh	57, 56.726, 321.508
Yxy	25.2978, 0.3007, 0.2133
Android (android.graphics.Color)	4290276808 (0xFFB86DC8)
YUV	141.7990, 28.6931, 37.0103
Hunter-Lab	50.2969, 38.5393, -32.7465

# Details

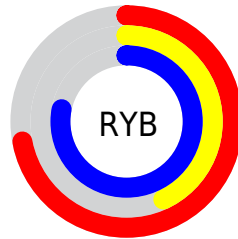
The Hex color **B86DC8** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **7DC86D**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **F1A2FF**, and **813A92** is the 20% darker color. If you saturate the color by 10%, you get **B459C8**, and if you desaturate by 10%, it is **BC81C8**.

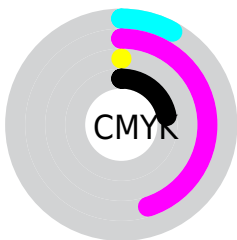
# Distribution



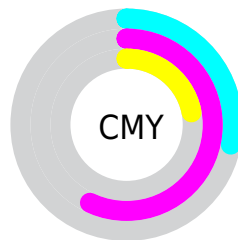
- Red (72%)
- Green (43%)
- Blue (78%)



- Red (72%)
- Yellow (43%)
- Blue (78%)



- Cyan (8%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)



- Cyan (28%)
- Magenta (57%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B86DC8 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 B86DC8 by changing the saturation by 10% instead.



 B86DC8

 B86DC8

FFFFFF

 9C53AC

 F1A2FF

 813A92

 FFBEFF

 662078

 FFDAFF

 4D005E

 FFF7FF

 330046

 1E0030

 000119

 000000

 B86DC8

 B86DC8

 B459C8

 BC81C8

 B145C8

 BF95C8

 AD31C8

 C3A9C8

 AA1DC8

 C6BDC8

 A609C8

 CAD1C8

 A500C8

 CDE5C8

 D1F9C8

 D4FFC8

 D8FFC8

# Harmonies

## Analogous

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



7082E6



B86DC8



DC5C9A

# Triad

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



B86DC8



AF821E



00A1AD

# Complementary

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



B86DC8



7DC86D

# 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.



00A179



B86DC8



819223

# Square

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



B86DC8



D26F3D



429C49



009DD6

# Rectangle

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



B86DC8



E45B79



429C49



00A29C



# Sweetspot

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



B86DC8



F9DBFF



6D7EC8



7C6A80



000000



808080



# Same Dimension

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



B86DC8



E673FF



C86DAB



625A63



8700A3



1D0024



# Inverse Universe

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



C86D7D



FF738B



6DC88A



635A5B



A3001D

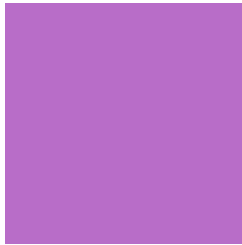


240006



# Previews

## White Background



This preview shows how the Hex color B86DC8 looks on a white background.

## Color Contrast Check

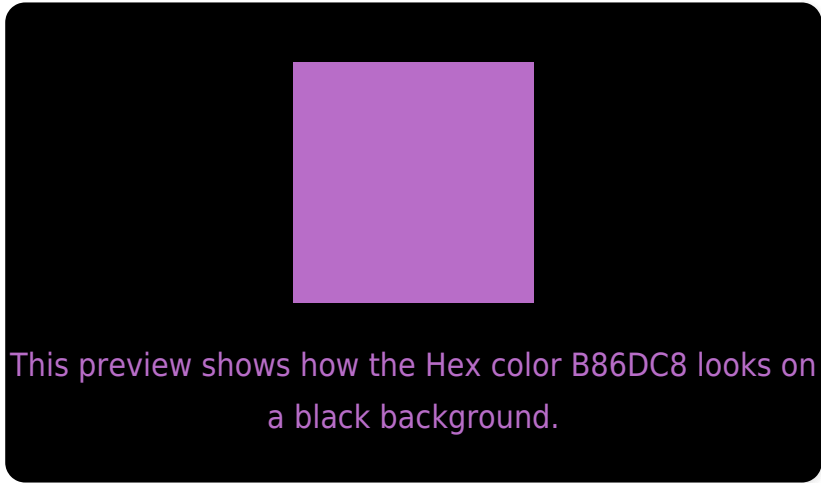
Large Text (above 18pt) WCAG AA ✓ Pass

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

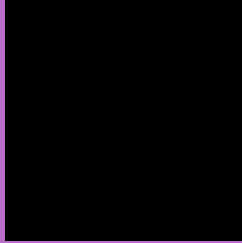
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B86DC8 Background



This preview shows how black text looks on a background with the Hex color B86DC8.

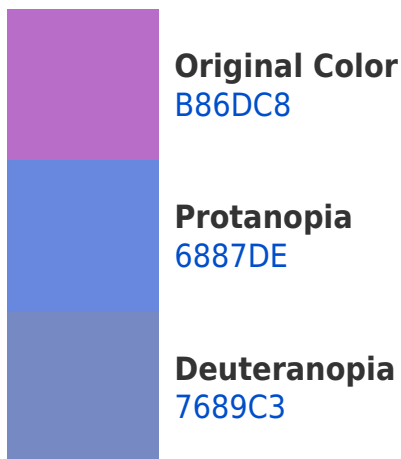



This preview shows how white text looks on a background with the Hex color B86DC8.

# 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**  
AF7C86

# Trichromacy



**Original Color**  
B86DC8



**Protanomaly**  
857ED6



**Deuteranomaly**  
8E7FC5



**Tritanomaly**  
B2779E

# Monochromacy



**Original Color**  
B86DC8



**Achromatopsia**  
8E8E8E



**Achromatomaly**  
9D82A3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B86DC8 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 #B86DC8 looks like.

```
.text, #text, p{  
    color:#B86DC8  
}
```

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 #B86DC8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B86DC8
}
```

## Border

The CSS property to change the border of an element to Hex B86DC8 is called "border". The border property can be set on classes, ids or directly on the HTML element.

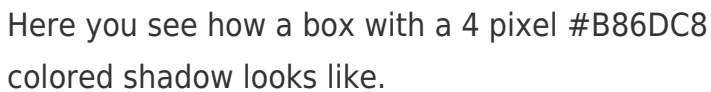
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B86DC8 }
```

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

```
.border{ border-color:#B86DC8 }
```

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



Here you see how a box with a 4 pixel #B86DC8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B86DC8; -webkit-box-shadow:4px 4px  
4px 4px #B86DC8; box-shadow:4px 4px 4px  
4px #B86DC8 }
```

# Background

The CSS property to change the background color of an element to Hex B86DC8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B86DC8 }
```

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

```
.background{ background-color:#B86DC8 }
```

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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