

# Converting Colors

Hex(CB7BAE)

Have a look what the booklet for  
Hex(CB7BAE) contains.

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# **Color**

**Hex(CB7BAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB7BAE
RGB	203, 123, 174
RGB Percent	80%, 48%, 68%
CMY	0.2039, 0.5176, 0.3176
CMYK	0.00, 0.39, 0.14, 0.20
HSL	322°, 43%, 64%
HSV	322°, 39%, 80%
XYZ	39.3515, 29.9184, 43.7452
YIQ	152.7340, 31.3090, 32.8210

# Conversions

## Conversions Part 2

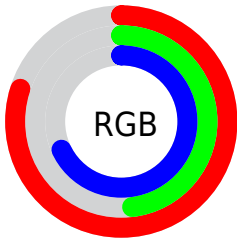
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 123, 174
Decimal	13335470
CIE Lab	61.58, 38.25, -13.81
CIE LCh	62, 40.663, 340.143
Yxy	29.9184, 0.3482, 0.2647
Android (android.graphics.Color)	4291525550 (0xFFCB7BAE)
YUV	152.7340, 10.4841, 44.0833
Hunter-Lab	54.6977, 32.6984, -9.1295

# Details

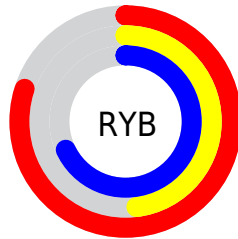
The Hex color **CB7BAE** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **7BCB98**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **FFB1E6**, and **93487A** is the 20% darker color. If you saturate the color by 10%, you get **CB67A7**, and if you desaturate by 10%, it is **CB8FB5**.

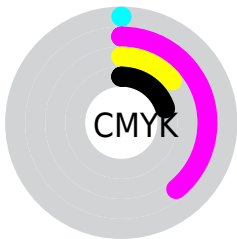
# Distribution



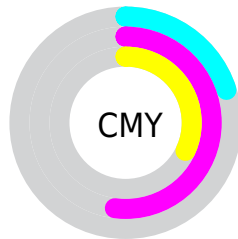
- Red (80%)
- Green (48%)
- Blue (68%)



- Red (80%)
- Yellow (48%)
- Blue (68%)



- Cyan (0%)
- Magenta (39%)
- Yellow (14%)
- Black (20%)



- Cyan (20%)
- Magenta (52%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB7BAE 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 CB7BAE by changing the saturation by 10% instead.



 CB7BAE

 CB7BAE

FFFFFF

 AF6193

 FFB1E6

 93487A

 FFCDFE

 782F61


 FFE9FF

 5E1549

 450032

 2F001E

 050000

 000000

 CB7BAE

 CB7BAE

 CB67A7

 CB8FB5

 CB529F

 CBA4BD

 CB3E98

 CBB8C4

 CB2A91

 CBCCCB

 CB1689

 CBE1D3

 CB0182

 CBF5DA

 CB0081

 CBFFE2

 CBFFE9

 CBFFF0

# Harmonies

## Analogous

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



A887CC



CB7BAE



D9778A

# Triad

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



CB7BAE



9F974C



00A5C2

# Complementary

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



CB7BAE



7BCB98

# 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.



00A8A0



CB7BAE



78A05C

# Square

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



CB7BAE



BF8A51



47A67B



139FD8

# Rectangle

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



CB7BAE



D87B72



47A67B



00A7B8



# Sweetspot

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



CB7BAE



FFE0F4



977BCB



806E79



000000



808080



# Same Dimension

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



CB7BAE



FF87D4



CB7B87



665C62



A6006A



260018



# Inverse Universe

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



CB7BAE



FF87D4



7BCBBF



665C62



A6006A

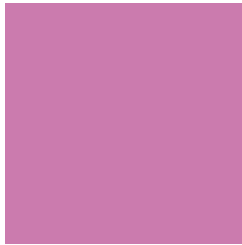


260018



# Previews

## White Background



This preview shows how the Hex color CB7BAE looks on a white background.

## Color Contrast Check

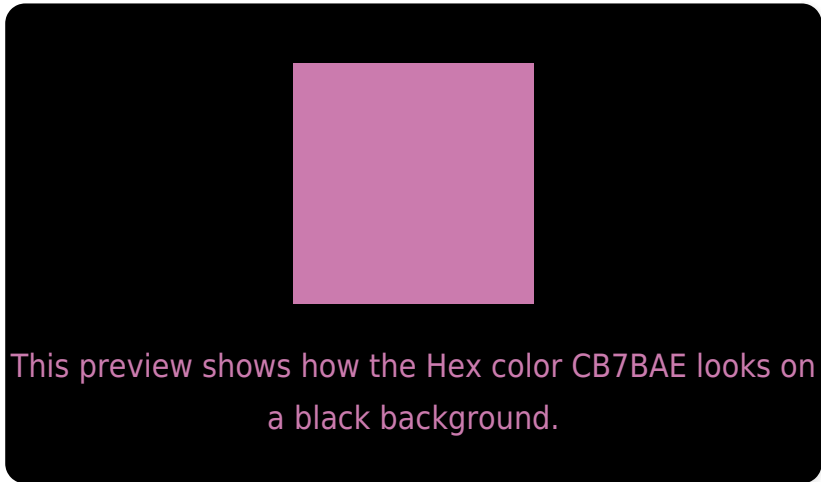
Large Text (above 18pt) WCAG AA ✓ Pass

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

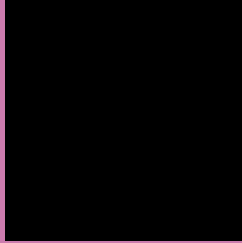
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex CB7BAE Background



This preview shows how black text looks on a background with the Hex color CB7BAE.

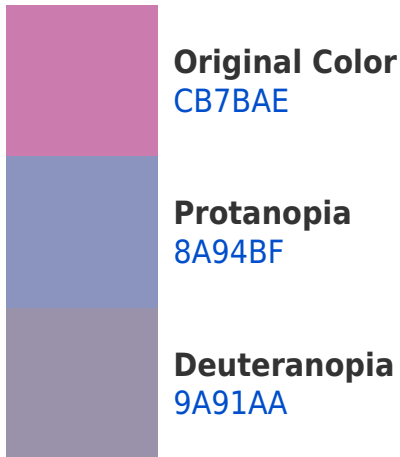


This preview shows how white text looks on a background with the Hex color CB7BAE.

# 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**  
C7828B

# Trichromacy



**Original Color**  
CB7BAE



**Protanomaly**  
A28BB9



**Deuteranomaly**  
AC89AB

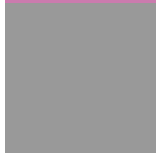


**Tritanomaly**  
C87F98

# Monochromacy



**Original Color**  
CB7BAE



**Achromatopsia**  
999999



**Achromatomaly**  
AB8EA1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB7BAE 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 #CB7BAE looks like.

```
.text, #text, p{  
    color:#CB7BAE  
}
```

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 #CB7BAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB7BAE
}
```

## Border

The CSS property to change the border of an element to Hex CB7BAE 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
#CB7BAE }
```

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

```
.border{ border-color:#CB7BAE }
```

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

Here you see how a box with a 4 pixel #CB7BAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB7BAE; -webkit-box-shadow:4px 4px  
4px 4px #CB7BAE; box-shadow:4px 4px 4px  
4px #CB7BAE }
```

# Background

The CSS property to change the background color of an element to Hex CB7BAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB7BAE }
```

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

```
.background{ background-color:#CB7BAE }
```

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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