

# Converting Colors

Hex(CB76AC)

Have a look what the booklet for  
Hex(CB76AC) contains.

|  |    |
|--|----|
| <b>Hex(CB76AC)</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(CB76AC)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | CB76AC                     |
| RGB           | 203, 118, 172              |
| RGB Percent   | 80%, 46%, 67%              |
| CMY           | 0.2039, 0.5373, 0.3255     |
| CMYK          | 0.00, 0.42, 0.15, 0.20     |
| HSL           | 322°, 45%, 63%             |
| HSV           | 322°, 42%, 80%             |
| XYZ           | 38.5534, 28.6319, 42.5243  |
| YIQ           | 149.5710, 33.3260, 34.8140 |

# Conversions

## Conversions Part 2

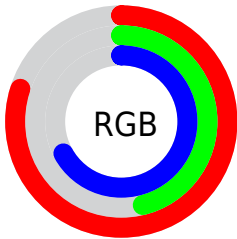
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 203, 118, 172                 |
| Decimal                             | 13334188                      |
| CIE <sub>Lab</sub>                  | 60.46, 40.57, -14.37          |
| CIE <sub>LCh</sub>                  | 60, 43.043, 340.495           |
| Yxy                                 | 28.6319, 0.3514,<br>0.2610    |
| Android<br>(android.graphics.Color) | 4291524268<br>(0xFFC7B76AC)   |
| YUV                                 | 149.5710, 11.0575,<br>46.8572 |
| Hunter-Lab                          | 53.5088, 34.9699,<br>-9.6625  |

# Details

The Hex color **CB76AC** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **76CB95**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **FFACE3**, and **934378** is the 20% darker color. If you saturate the color by 10%, you get **CB62A5**, and if you desaturate by 10%, it is **CB8AB3**.

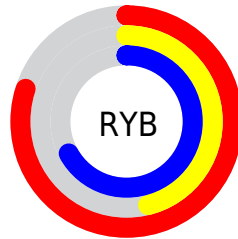
# Distribution



Red (80%)

Green (46%)

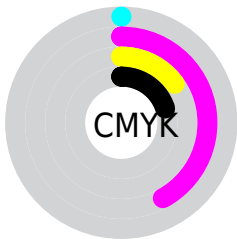
Blue (67%)



Red (80%)

Yellow (46%)

Blue (67%)

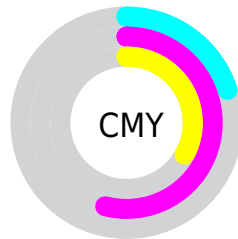


Cyan (0%)

Magenta (42%)

Yellow (15%)

Black (20%)



Cyan (20%)

Magenta (54%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB76AC 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 CB76AC by changing the saturation by 10% instead.



 CB76AC

 CB76AC

FFFFFF

 AF5C91

 FFACE3

 934378

 FFC8FF

 78295F

 FFE4FF

 5E0D47

 440031

 2F001C

 000000

 CB76AC

 CB76AC

 CB62A5

 CB8AB3

■ CB4D9D

■ CB9FBB

■ CB3996

■ CBB3C2

■ CB258E

■ CBC7CA

■ CB1187

■ CBDCD1

■ CB0081

■ CBF0D8

■ CBFFE0

■ CBFFE7

■ CBFFEF

# Harmonies

## Analogous

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



A683CC



CB76AC



DA7286

# Triad

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



CB76AC



9C9445



00A3C2

# Complementary

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



CB76AC



76CB95

# 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.



00A59E



CB76AC



729E56

# Square

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



CB76AC



BD874A



3CA377



009DD9

# Rectangle

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



CB76AC



D8766D



3CA377



00A4B7



# Sweetspot

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



CB76AC



FFDEF3



9476CB



806B78



000000



808080



# Same Dimension

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



CB76AC



FF80D1



CB7683



665C62



A60069



260018



# Inverse Universe

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



CB76AC



FF80D1



76CBBE



665C62



A60069



260018



# Previews

## White Background



This preview shows how the Hex color CB76AC looks on a white background.

## Color Contrast Check

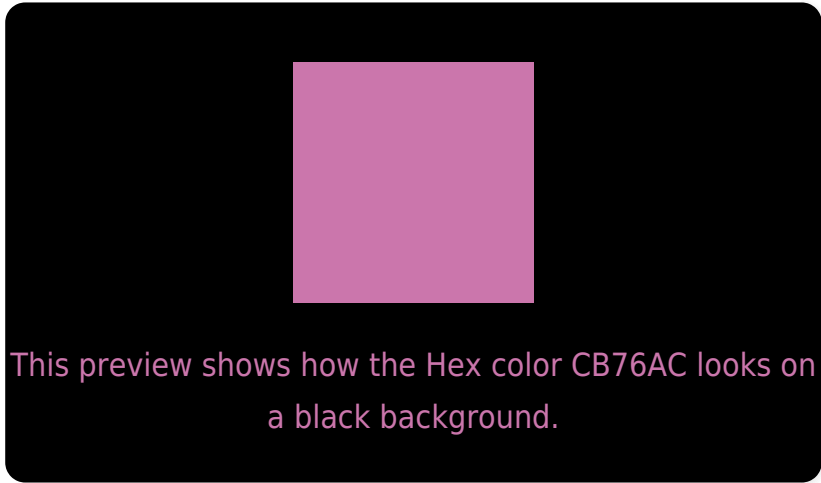
Large Text (above 18pt) WCAG AA ✓ Pass

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

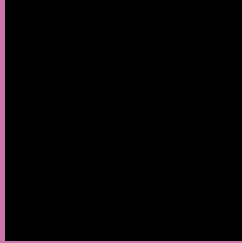
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex CB76AC Background



This preview shows how black text looks on a background with the Hex color CB76AC.

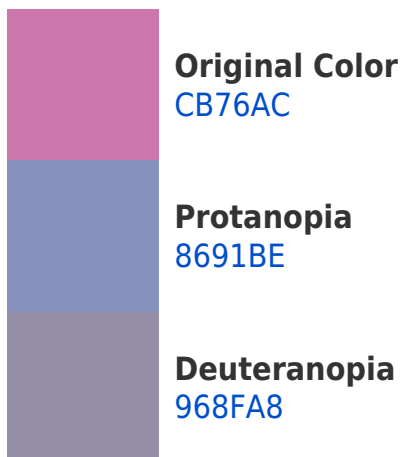



This preview shows how white text looks on a background with the Hex color CB76AC.

# 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**  
C77D87

# Trichromacy



**Original Color**  
CB76AC



**Protanomaly**  
9F87B7



**Deuteranomaly**  
A986A9

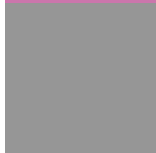


**Tritanomaly**  
C87A94

# Monochromacy



**Original Color**  
CB76AC



**Achromatopsia**  
969696



**Achromatomaly**  
A98A9E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB76AC 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 #CB76AC looks like.

```
.text, #text, p{  
  color:#CB76AC  
}
```

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 #CB76AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB76AC
}
```

## Border

The CSS property to change the border of an element to Hex CB76AC 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
#CB76AC }
```

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

```
.border{ border-color:#CB76AC }
```

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

Here you see how a box with a 4 pixel #CB76AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB76AC; -webkit-box-shadow:4px 4px  
4px 4px #CB76AC; box-shadow:4px 4px 4px  
4px #CB76AC }
```

# Background

The CSS property to change the background color of an element to Hex CB76AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB76AC }
```

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

```
.background{ background-color:#CB76AC }
```

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