

# Converting Colors

Hex(CA87BC)

Have a look what the booklet for  
Hex(CA87BC) contains.

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# **Color**

**Hex(CA87BC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA87BC
RGB	202, 135, 188
RGB Percent	79%, 53%, 74%
CMY	0.2078, 0.4706, 0.2627
CMYK	0.00, 0.33, 0.07, 0.21
HSL	313°, 39%, 66%
HSV	313°, 33%, 79%
XYZ	42.0982, 33.5153, 51.8272
YIQ	161.0750, 22.9190, 30.6870

# Conversions

## Conversions Part 2

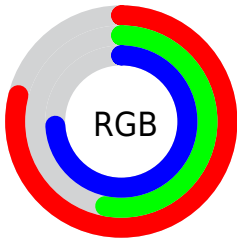
Format	Color
R <sub>Y</sub> B	202, 135, 188
Decimal	13273020
CIE Lab	64.58, 33.82, -17.23
CIE LCh	65, 37.961, 333.001
Yxy	33.5153, 0.3303, 0.2630
Android (android.graphics.Color)	4291463100 (0xFFCA87BC)
YUV	161.0750, 13.2740, 35.8912
Hunter-Lab	57.8924, 28.4898, -12.5537

# Details

The Hex color **CA87BC** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **87CA95**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **FFBDF4**, and **935487** is the 20% darker color. If you saturate the color by 10%, you get **CA73B8**, and if you desaturate by 10%, it is **CA9BC0**.

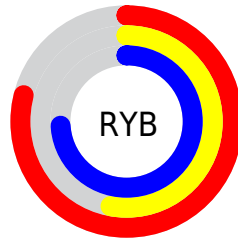
# Distribution



Red (79%)

Green (53%)

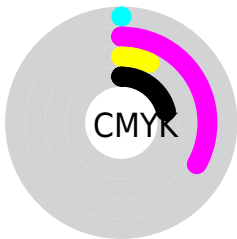
Blue (74%)



Red (79%)

Yellow (53%)

Blue (74%)

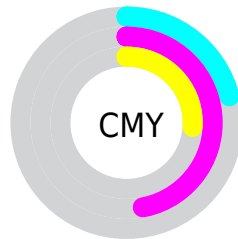


Cyan (0%)

Magenta (33%)

Yellow (7%)

Black (21%)



Cyan (21%)

Magenta (47%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CA87BC 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 CA87BC by changing the saturation by 10% instead.



 CA87BC

FFFFFF

 FFBDF4

 FFD9FF

 FFF6FF

 CA87BC

 AE6DA1

 935487

 783B6D

 5F2355

 46093E

 2E0028

 110012

 000000

 CA87BC

 CA87BC

CA73B8

CA9BC0

CA5FB4

CAAFC4

CA4AAF

CAC4C9

CA36AB

CAD8CD

CA22A7

CAECD1

CA0EA3

CAFFD5

CA00A0

CAFFDA

CAFFDE

CAFFE2

# Harmonies

## Analogous

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



A593D6



CA87BC



DC829A

# Triad

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



CA87BC



AF9C58



00ADC0

# Complementary

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



CA87BC



87CA95

# 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.



2CAF9F



CA87BC



8BA662

# Square

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



CA87BC



CB9061



62AC7D



28A8D8

# Rectangle

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



CA87BC



DE8384



62AC7D



00AEB6



# Sweetspot

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



CA87BC



FFE6FA



9487CA



80707C



000000



808080



# Same Dimension

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



CA87BC



FF99EA



CA879B



665C64



A60083



26001E



# Inverse Universe

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



CA87BC



FF99EA



87CAB6



665C64



A60083

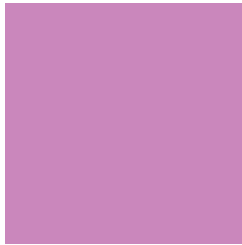


26001E



# Previews

## White Background



This preview shows how the Hex color CA87BC looks on a white background.

## Color Contrast Check

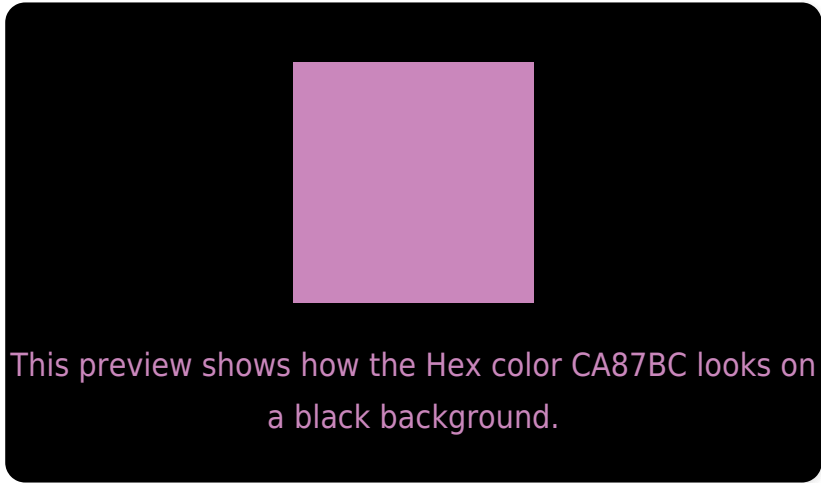
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

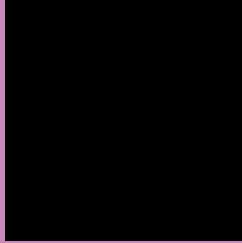
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex CA87BC Background



This preview shows how black text looks on a background with the Hex color CA87BC.

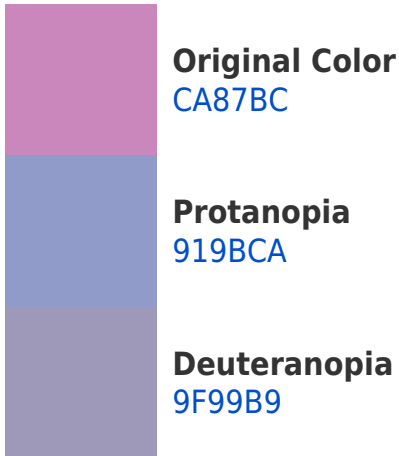


This preview shows how white text looks on a background with the Hex color CA87BC.

# 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**  
C68E99

# Trichromacy



**Original Color**  
CA87BC



**Protanomaly**  
A694C5



**Deuteranomaly**  
AF92BA

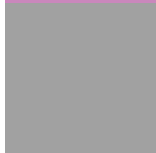


**Tritanomaly**  
C78BA6

# Monochromacy



**Original Color**  
CA87BC



**Achromatopsia**  
A1A1A1



**Achromatomaly**  
B098AB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CA87BC 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 #CA87BC looks like.

```
.text, #text, p{  
    color:#CA87BC  
}
```

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 #CA87BC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CA87BC
}
```

## Border

The CSS property to change the border of an element to Hex CA87BC is called "border". The border property can be set on classes, ids or directly on the HTML element.

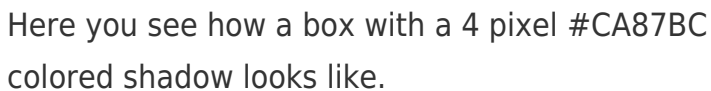
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#CA87BC }
```

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

```
.border{ border-color:#CA87BC }
```

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



Here you see how a box with a 4 pixel `#CA87BC` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CA87BC; -webkit-box-shadow:4px 4px  
4px 4px #CA87BC; box-shadow:4px 4px 4px  
4px #CA87BC }
```

# Background

The CSS property to change the background color of an element to Hex CA87BC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CA87BC }
```

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

```
.background{ background-color:#CA87BC }
```

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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