

# Converting Colors

Hex(CC87DD)

Have a look what the booklet for  
Hex(CC87DD) contains.

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# Color

Hex(CC87DD)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | CC87DD                     |
| RGB           | 204, 135, 221              |
| RGB Percent   | 80%, 53%, 87%              |
| CMY           | 0.2000, 0.4706, 0.1333     |
| CMYK          | 0.08, 0.39, 0.00, 0.13     |
| HSL           | 288°, 56%, 70%             |
| HSV           | 288°, 39%, 87%             |
| XYZ           | 46.6170, 35.3858, 72.7798  |
| YIQ           | 165.4350, 13.5180, 41.3740 |

# Conversions

## Conversions Part 2

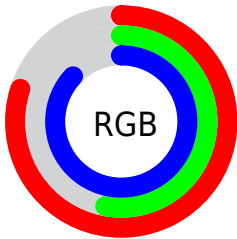
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 204, 135, 221                 |
| Decimal                             | 13404125                      |
| CIELab                              | 66.05, 40.66, -33.41          |
| CIELCh                              | 66, 52.621, 320.590           |
| Yxy                                 | 35.3858, 0.3012,<br>0.2286    |
| Android<br>(android.graphics.Color) | 4291594205<br>(0xFFCC87DD)    |
| YUV                                 | 165.4350, 27.3935,<br>33.8215 |
| Hunter-Lab                          | 59.4859, 35.7835,<br>-30.8999 |

# Details

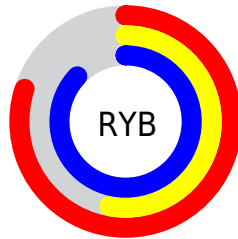
The Hex color **CC87DD** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **98DD87**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **FFBDFE**, and **9453A6** is the 20% darker color. If you saturate the color by 10%, you get **C871DD**, and if you desaturate by 10%, it is **D09DDD**.

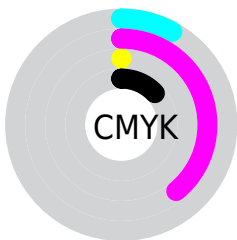
# Distribution



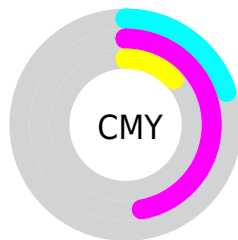
- Red (80%)
- Green (53%)
- Blue (87%)



- Red (80%)
- Yellow (53%)
- Blue (87%)



- Cyan (8%)
- Magenta (39%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (47%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CC87DD 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 CC87DD by changing the saturation by 10% instead.



 CC87DD

 CC87DD

FFFFFF

 B06DC1

 FFBDFD

 9453A6

 FFDADF

 7A3A8B

 FFF6FF

 5F2171

 460558

 2D0041

 16002A

 000114

 000000

 CC87DD

 CC87DD

 C871DD

 D09DDD

 C35BDD

 D5B3DD

 BF45DD

 D9C9DD

 BB2FDD

 DDDFDD

 B618DD

 E2F6DD

 B202DD

 E6FFDD

 B100DD

 EBFFDD

 EFFFDD

 F3FFDD

# Harmonies

## Analogous

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



8A9AF9



CC87DD



F079B1

# Triad

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



CC87DD



C89940



00B8C0

# Complementary

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



CC87DD



98DD87

# 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.



00B790



CC87DD



9CA843

# Square

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



CC87DD



E98759



63B262



00B4E8

# Rectangle

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



CC87DD



F87792



63B262



00B8B0



# Sweetspot

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



CC87DD



F9E0FF



8798DD



7C6E80



000000



808080



# Same Dimension

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



CC87DD



E787FF



DD87C3



6B636E



8B00AD



25002E



# Inverse Universe

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



DD8798



FF879F



87DDA1



6E6365



AD0022



2E0009



# Previews

## White Background



This preview shows how the Hex color CC87DD 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 CC87DD Background



This preview shows how black text looks on a background with the Hex color CC87DD.

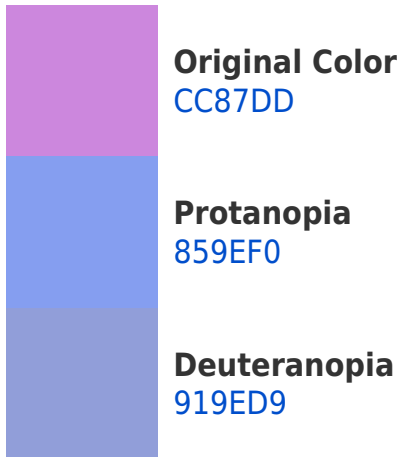


This preview shows how white text looks on a background with the Hex color CC87DD.

# 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**  
C3949F

# Trichromacy



**Original Color**  
CC87DD



**Protanomaly**  
9F96E9



**Deuteranomaly**  
A696DA



**Tritanomaly**  
C68FB6

# Monochromacy



**Original Color**  
CC87DD



**Achromatopsia**  
A5A5A5



**Achromatomaly**  
B39AB9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CC87DD 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 #CC87DD looks like.

```
.text, #text, p{  
    color:#CC87DD  
}
```

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 #CC87DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CC87DD
}
```

## Border

The CSS property to change the border of an element to Hex CC87DD 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
#CC87DD }
```

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

```
.border{ border-color:#CC87DD }
```

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

Here you see how a box with a 4 pixel #CC87DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CC87DD; -webkit-box-shadow:4px 4px  
4px 4px #CC87DD; box-shadow:4px 4px 4px  
4px #CC87DD }
```

# Background

The CSS property to change the background color of an element to Hex CC87DD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CC87DD }
```

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

```
.background{ background-color:#CC87DD }
```

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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