

# Converting Colors

Hex(CD83EB)

Have a look what the booklet for  
Hex(CD83EB) contains.

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**Color**

**Hex(CD83EB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CD83EB
RGB	205, 131, 235
RGB Percent	80%, 51%, 92%
CMY	0.1961, 0.4863, 0.0784
CMYK	0.13, 0.44, 0.00, 0.08
HSL	283°, 72%, 72%
HSV	283°, 44%, 92%
XYZ	48.2885, 35.2099, 82.8484
YIQ	164.9820, 10.7200, 48.0320

# Conversions

## Conversions Part 2

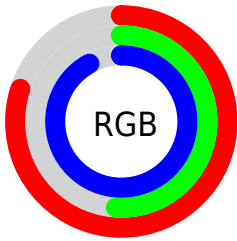
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 131, 235
Decimal	13468651
CIE <sub>Lab</sub>	65.91, 45.90, -41.36
CIE <sub>LCh</sub>	66, 61.786, 317.978
Yxy	35.2099, 0.2903, 0.2117
Android (android.graphics.Color)	4291658731 (0xFFCD83EB)
YUV	164.9820, 34.5189, 35.0958
Hunter-Lab	59.3379, 41.4199, -41.2449

# Details

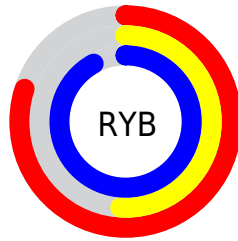
The Hex color **CD83EB** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **A1EB83**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **FFBAFF**, and **954FB3** is the 20% darker color. If you saturate the color by 10%, you get **C66BEB**, and if you desaturate by 10%, it is **D49AEB**.

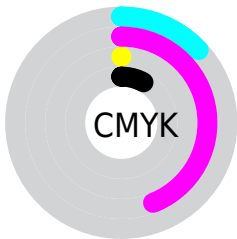
# Distribution



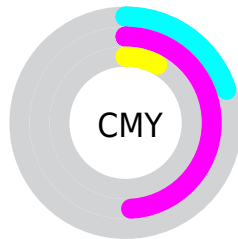
- Red (80%)
- Green (51%)
- Blue (92%)



- Red (80%)
- Yellow (51%)
- Blue (92%)



- Cyan (13%)
- Magenta (44%)
- Yellow (0%)
- Black (8%)



- Cyan (20%)
- Magenta (49%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CD83EB 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 CD83EB by changing the saturation by 10% instead.



 CD83EB

 CD83EB

FFFFFF

 B169CF

 FFBAFF

 954FB3

 FFD6FF

 7A3698

 FFF3FF

 5F1B7D

 450064

 2B004B

 120034

 00021E

 000000

CD83EB

CD83EB

C66BEB

D49AEB

BF54EB

DBB2EB

B93CEB

E1CAEB

B225EB

E8E1EB

AB0EEB

EFF9EB

A700EB

F6FFEB

FCFFEB

FFFFEB

# Harmonies

## Analogous

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



779BFF



CD83EB



FA6FB9

# Triad

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



CD83EB



D0952C



00BBC1

# Complementary

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



CD83EB



A1EB83

# 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.



00B987



CD83EB



9DA82B

# Square

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



CD83EB



F57F4F



5BB352



00B7F1

# Rectangle

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



CD83EB



FF6C94



5BB352



00BBAE



# Sweetspot

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



CD83EB



F5DEFF



83A2EB



7A6B80



000000



808080



# Same Dimension

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



CD83EB



D878FF



EB83D6



726A75



8100B5



260036



# Inverse Universe

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



EB83A1



FF789F



83EB98



756A6D



B50034

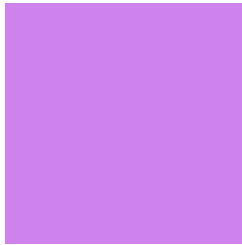


36000F



# Previews

## White Background



This preview shows how the Hex color CD83EB looks on a white background.

## Color Contrast Check

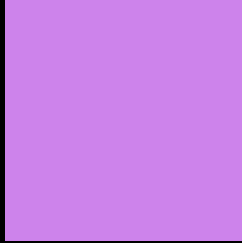
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color CD83EB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

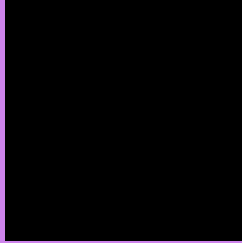
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex CD83EB Background



This preview shows how black text looks on a background with the Hex color CD83EB.

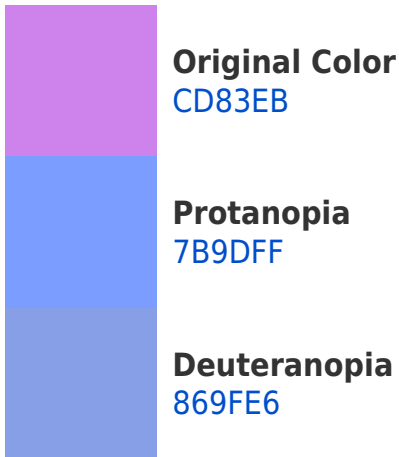


This preview shows how white text looks on a background with the Hex color CD83EB.

# 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](#).

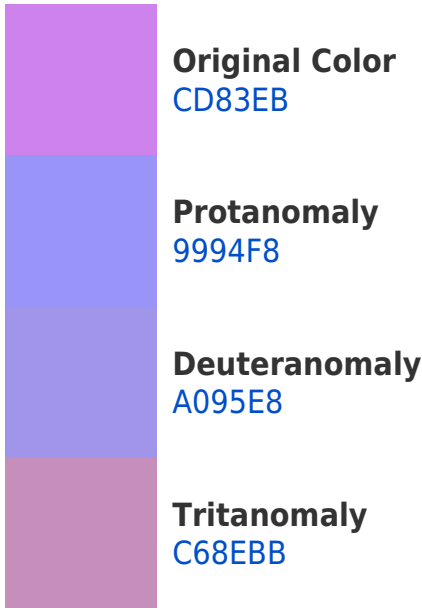
## Dichromacy



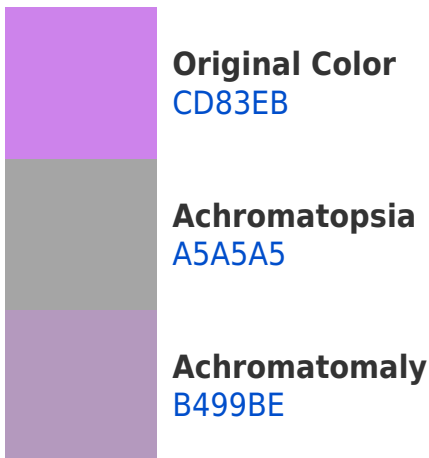


**Tritanopia**  
C2949F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CD83EB 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 #CD83EB looks like.

```
.text, #text, p{  
    color:#CD83EB  
}
```

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 #CD83EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CD83EB
}
```

## Border

The CSS property to change the border of an element to Hex CD83EB is called "border". The border property can be set on classes, ids or directly on the HTML element.

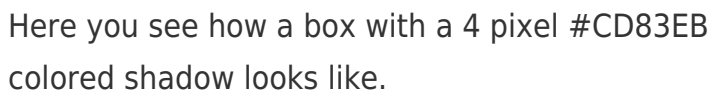
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#CD83EB }
```

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

```
.border{ border-color:#CD83EB }
```

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



Here you see how a box with a 4 pixel `#CD83EB` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CD83EB; -webkit-box-shadow:4px 4px  
4px 4px #CD83EB; box-shadow:4px 4px 4px  
4px #CD83EB }
```

# Background

The CSS property to change the background color of an element to Hex CD83EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CD83EB }
```

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

```
.background{ background-color:#CD83EB }
```

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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