

# Converting Colors

Hex(CB1AEC)

Have a look what the booklet for  
Hex(CB1AEC) contains.

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# Color

**Hex(CB1AEC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB1AEC
RGB	203, 26, 236
RGB Percent	80%, 10%, 93%
CMY	0.2039, 0.8980, 0.0745
CMYK	0.14, 0.89, 0.00, 0.07
HSL	291°, 85%, 51%
HSV	291°, 89%, 93%
XYZ	40.1383, 19.4914, 81.0036
YIQ	102.8630, 38.0820, 102.8340

# Conversions

## Conversions Part 2

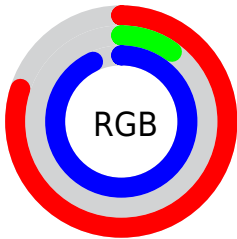
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 26, 236
Decimal	13310700
CIE <sub>Lab</sub>	51.26, 85.22, -65.26
CIE <sub>LCh</sub>	51, 107.341, 322.556
Yxy	19.4914, 0.2854, 0.1386
Android (android.graphics.Color)	4291500780 (0xFFC <sub>B</sub> 1AEC)
YUV	102.8630, 65.6365, 87.8201
Hunter-Lab	44.1491, 85.0230, -77.8793

# Details

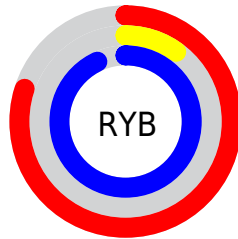
The Hex color **CB1AEC** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **3BEC1A**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **FF66FF**, and **8F00B3** is the 20% darker color. If you saturate the color by 10%, you get **C702EC**, and if you desaturate by 10%, it is **CF32EC**.

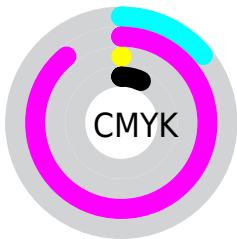
# Distribution



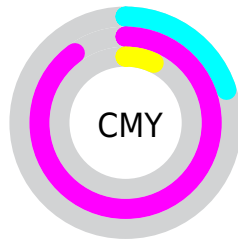
- Red (80%)
- Green (10%)
- Blue (93%)



- Red (80%)
- Yellow (10%)
- Blue (93%)



- Cyan (14%)
- Magenta (89%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (90%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB1AEC 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 CB1AEC by changing the saturation by 10% instead.



 CB1AEC

 CB1AEC

FFFFFF

 AD00CF

 FF66FF

 8F00B3

 FF84FF

 720098

 FFA2FF

 54007D

 FFC0FF

 380063

 FFDEFF

 14004A

 FFFDFD

 000132

 00021C

 000000

 CB1AEC

 CB1AEC

 C702EC

 CF32EC

 C700EC

 D249EC

 D661EC

 DA78EC

 DE90EC

 E1A8EC

 E5BFEC

 E9D7EC

 ECEEEC

# Harmonies

## Analogous

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



006EFF



CB1AEC



FF0095

# Triad

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



CB1AEC



A86F00



009DBF

# Complementary

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



CB1AEC



3BEC1A

# 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.



009B60



CB1AEC



508A00

# Square

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



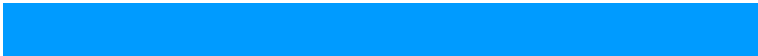
CB1AEC



E83500



009600



009BFF

# Rectangle

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



CB1AEC



FF0059



009600



009CA0



# Sweetspot

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



CB1AEC



F4BAFF



1A3DEC



795780



000000



808080



# Same Dimension

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



CB1AEC



D700FF



EC1AA6



736A75



9900B5



2D0036



# Inverse Universe

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



EC1A3B



FF0028



1AEC60



756A6B



B5001C

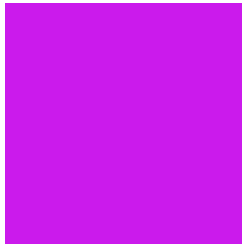


360008



# Previews

## White Background



This preview shows how the Hex color CB1AEC looks on a white background.

## Color Contrast Check

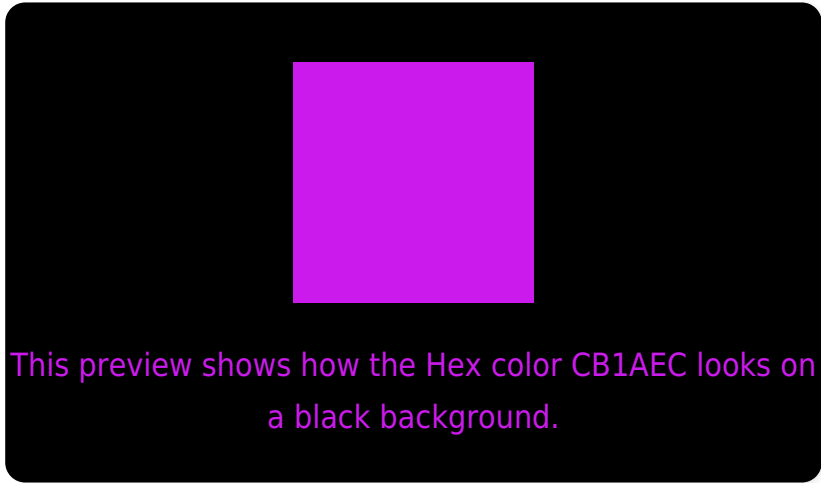
Large Text (above 18pt) WCAG AA ✓ Pass

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

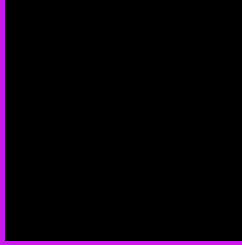
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex CB1AEC Background



This preview shows how black text looks on a background with the Hex color CB1AEC.

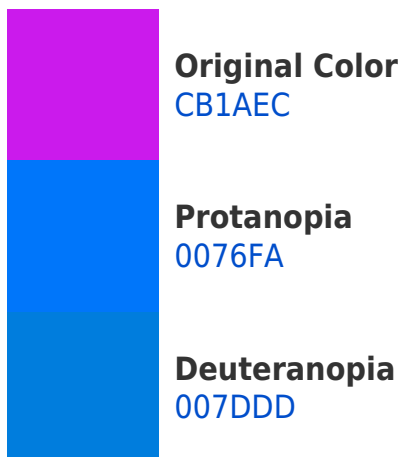


This preview shows how white text looks on a background with the Hex color CB1AEC.

# 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**  
B95F65

# Trichromacy



**Original Color**  
CB1AEC



**Protanomaly**  
4A55F5



**Deuteranomaly**  
4A59E2



**Tritanomaly**  
C04696

# Monochromacy



**Original Color**  
CB1AEC



**Achromatopsia**  
676767



**Achromatomaly**  
8B4B97

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB1AEC 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 #CB1AEC looks like.

```
.text, #text, p{  
    color:#CB1AEC  
}
```

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 #CB1AEC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB1AEC
}
```

## Border

The CSS property to change the border of an element to Hex CB1AEC is called "border". The border property can be set on classes, ids or directly on the HTML element.

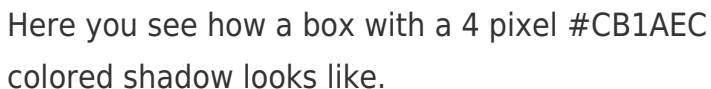
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#CB1AEC }
```

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

```
.border{ border-color:#CB1AEC }
```

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



Here you see how a box with a 4 pixel `#CB1AEC` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB1AEC; -webkit-box-shadow:4px 4px  
4px 4px #CB1AEC; box-shadow:4px 4px 4px  
4px #CB1AEC }
```

# Background

The CSS property to change the background color of an element to Hex CB1AEC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB1AEC }
```

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

```
.background{ background-color:#CB1AEC }
```

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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