

# Converting Colors

Hex(CB309D)

Have a look what the booklet for  
Hex(CB309D) contains.

<b>Hex(CB309D)</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(CB309D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB309D
RGB	203, 48, 157
RGB Percent	80%, 19%, 62%
CMY	0.2039, 0.8118, 0.3843
CMYK	0.00, 0.76, 0.23, 0.20
HSL	318°, 62%, 49%
HSV	318°, 76%, 80%
XYZ	31.7714, 17.2447, 33.5523
YIQ	106.7710, 57.3910, 66.7590

# Conversions

## Conversions Part 2

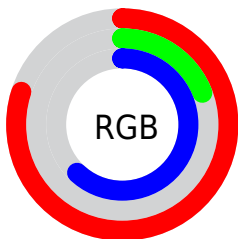
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 48, 157
Decimal	13316253
CIE <sub>Lab</sub>	48.57, 68.70, -23.77
CIE <sub>LCh</sub>	49, 72.694, 340.917
Yxy	17.2447, 0.3848, 0.2089
Android (android.graphics.Color)	4291506333 (0xFFCB309D)
YUV	106.7710, 24.7629, 84.3928
Hunter-Lab	41.5268, 63.8951, -18.8357

# Details

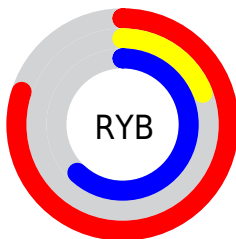
The Hex color **CB309D** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **30CB5E**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **FF6ED4**, and **900069** is the 20% darker color. If you saturate the color by 10%, you get **CB1C97**, and if you desaturate by 10%, it is **CB44A3**.

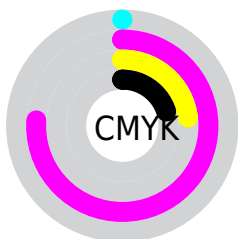
# Distribution



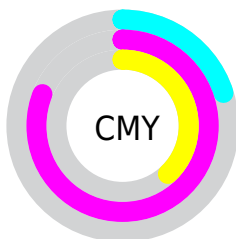
- Red (80%)
- Green (19%)
- Blue (62%)



- Red (80%)
- Yellow (19%)
- Blue (62%)



- Cyan (0%)
- Magenta (76%)
- Yellow (23%)
- Black (20%)



- Cyan (20%)
- Magenta (81%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB309D 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 CB309D by changing the saturation by 10% instead.



 CB309D

 CB309D

FFFFFF

 AD0083

 FF6ED4

 900069

 FF8BF0

 740051

 FFA8FF

 58003A

 FFC5FF

 3E0024

 FFE2FF

 1F000B

 000000

 CB309D

 CB309D

 CB1C97

 CB44A3

 CB0791

 CB59A9

 CB008F

 CB6DAF

 CB81B5

 CB96BB

 CBAAC1

 CBBEC7

 CBD2CD

 CBE7D3

# Harmonies

## Analogous

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



8F57D1



CB309D



DD1F60

# Triad

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



CB309D



787800



008CC3

# Complementary

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



CB309D



30CB5E

# 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.



008E89



CB309D



2C8500

# Square

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



CB309D



AB6200



008B48



0085E9

# Rectangle

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



CB309D



D73438



008B48



008DB1



# Sweetspot

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



CB309D



FFC4EE



5C30CB



805C75



000000



808080



# Same Dimension

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



CB309D



FF14B9



CB3052



665C63



A60075



26001B



# Inverse Universe

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



CB309D



FF14B9



30CBA9



665C63



A60075



26001B



# Previews

## White Background



This preview shows how the Hex color CB309D looks on a white background.

## Color Contrast Check

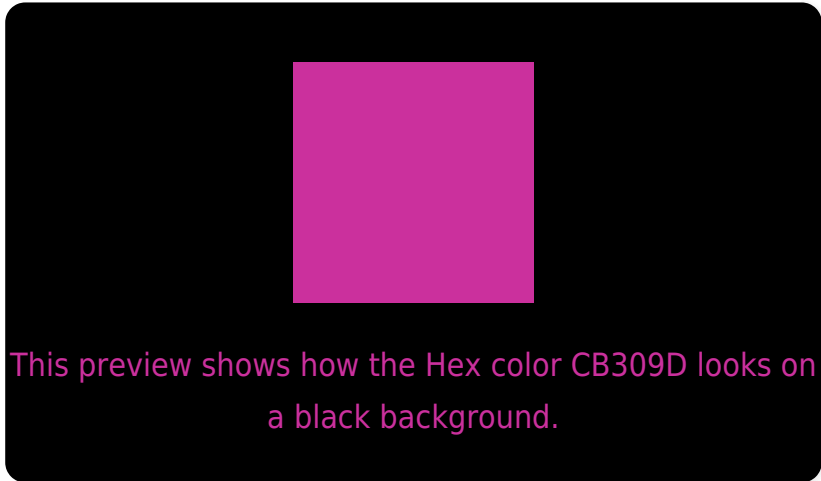
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black 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

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



## Hex CB309D Background



This preview shows how black text looks on a background with the Hex color CB309D.

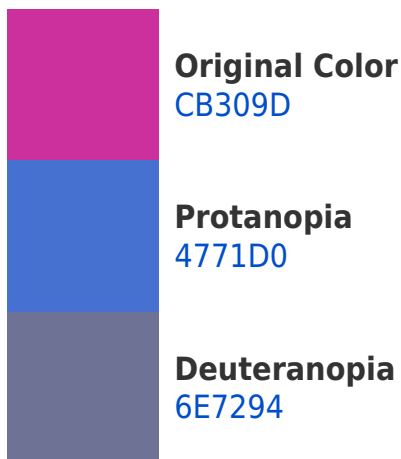


This preview shows how white text looks on a background with the Hex color CB309D.

# 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**  
C44A4F

# Trichromacy



**Original Color**  
CB309D



**Protanomaly**  
7759BD



**Deuteranomaly**  
905A97

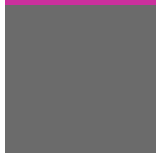


**Tritanomaly**  
C7416B

# Monochromacy



**Original Color**  
CB309D



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
8E567D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB309D 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 #CB309D looks like.

```
.text, #text, p{  
    color:#CB309D  
}
```

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 #CB309D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB309D
}
```

## Border

The CSS property to change the border of an element to Hex CB309D 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
#CB309D }
```

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

```
.border{ border-color:#CB309D }
```

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

Here you see how a box with a 4 pixel #CB309D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB309D; -webkit-box-shadow:4px 4px  
4px 4px #CB309D; box-shadow:4px 4px 4px  
4px #CB309D }
```

# Background

The CSS property to change the background color of an element to Hex CB309D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB309D }
```

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

```
.background{ background-color:#CB309D }
```

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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