

# Converting Colors

Hex(0C349D)

Have a look what the booklet for  
Hex(0C349D) contains.

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# Color

**Hex(0C349D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C349D
RGB	12, 52, 157
RGB Percent	5%, 20%, 62%
CMY	0.9529, 0.7961, 0.3843
CMYK	0.92, 0.67, 0.00, 0.38
HSL	223°, 86%, 33%
HSV	223°, 92%, 62%
XYZ	7.4654, 4.9685, 32.4638
YIQ	52.0100, -57.5450, 24.1750

# Conversions

## Conversions Part 2

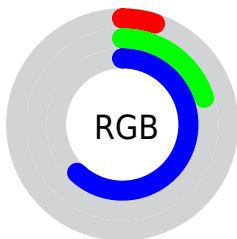
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 43, 157
Decimal	799901
CIE <sub>Lab</sub>	26.64, 30.32, -60.09
CIE <sub>LCh</sub>	27, 67.300, 296.772
Yxy	4.9685, 0.1663, 0.1107
Android (android.graphics.Color)	4278989981 (0xFF0C349D)
YUV	52.0100, 51.7601, -35.0888
Hunter-Lab	22.2901, 20.7758, -70.7485

# Details

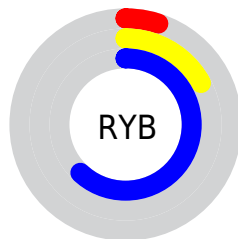
The Hex color **0C349D** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9D750C**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **5A62D5**, and **000D68** is the 20% darker color. If you saturate the color by 10%, you get **002B9D**, and if you desaturate by 10%, it is **1C3F9D**.

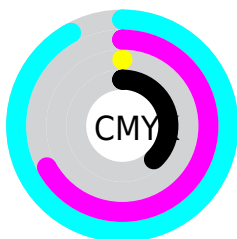
# Distribution



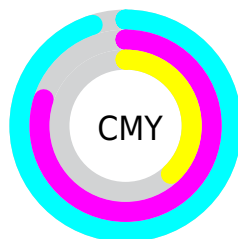
- Red (5%)
- Green (20%)
- Blue (62%)



- Red (5%)
- Yellow (17%)
- Blue (62%)



- Cyan (92%)
- Magenta (67%)
- Yellow (0%)
- Black (38%)



- Cyan (95%)
- Magenta (80%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C349D 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 0C349D by changing the saturation by 10% instead.



■ 0C349D

■ 0C349D

FFFFFF

■ 001F82

■ 5A62D5

■ 000D68

■ 787BF1

■ 000050

■ 9695FF

■ 000537

■ B3AFFF

■ 000221

■ D1CBFF

■ 000006

■ EEE7FF

■ 000000

■ 0C349D

■ 0C349D

■ 002B9D

■ 1C3F9D

 2B4B9D

 3B569D

 4B619D

 5B6D9D

 6A789D

 7A849D

 8A8F9D

 999A9D

# Harmonies

## Analogous

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



0049A8



0C349D



740078

# Triad

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



0C349D



781F00



005238

# Complementary

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



0C349D



9D750C

# 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.



004F00



0C349D



533C00

# Square

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



0C349D



8F0015



1E4900



00536D

# Rectangle

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



0C349D



8B0058



1E4900



005125



# Sweetspot

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



0C349D



93A3CC



0C9D74



434D66



E6E6E6



666666



# Same Dimension

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



0C349D



0038CC



2B0C9D



47494F



00278F



00040F



# Inverse Universe

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



9D0C34



CC0038



7E9D0C



4F4749



8F0027



0F0004



# Previews

## White Background



This preview shows how the Hex color 0C349D looks on a white background.

## Color Contrast Check

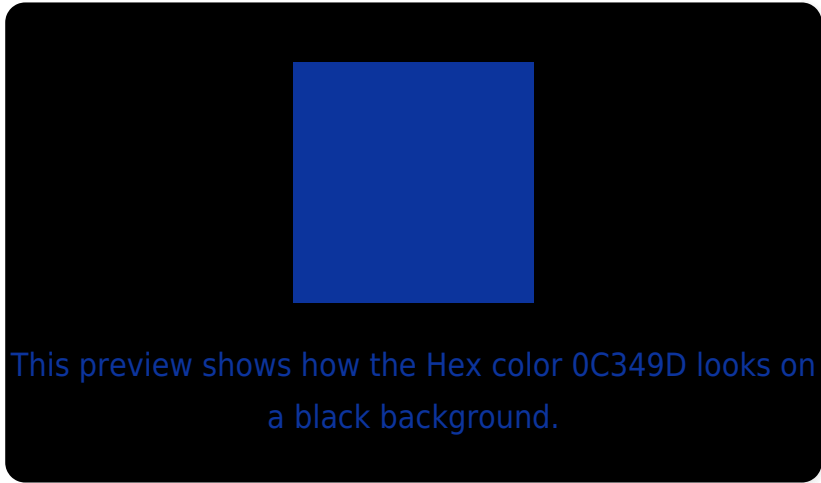
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

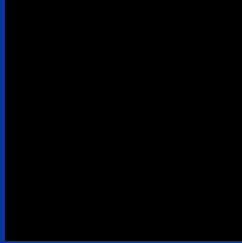
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C349D Background



This preview shows how black text looks on a background with the Hex color 0C349D.



This preview shows how white text looks on a background with the Hex color 0C349D.

# 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



**Original Color**  
0C349D

**Protanopia**  
003D81

**Deuteranopia**  
00416E



**Tritanopia**  
00464A

# Trichromacy



**Original Color**  
0C349D

**Protanomaly**  
043A8B

**Deuteranomaly**  
043C7F

**Tritanomaly**  
043F68

# Monochromacy



**Original Color**  
0C349D

**Achromatopsia**  
343434

**Achromatomaly**  
25345A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C349D 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 #0C349D looks like.

```
.text, #text, p{  
    color:#0C349D  
}
```

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 #0C349D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C349D
}
```

## Border

The CSS property to change the border of an element to Hex 0C349D 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
#0C349D }
```

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

```
.border{ border-color:#0C349D }
```

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

Here you see how a box with a 4 pixel #0C349D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C349D; -webkit-box-shadow:4px 4px  
4px 4px #0C349D; box-shadow:4px 4px 4px  
4px #0C349D }
```

# Background

The CSS property to change the background color of an element to Hex 0C349D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C349D }
```

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

```
.background{ background-color:#0C349D }
```

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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