

# Converting Colors

Hex(0C249C)

Have a look what the booklet for  
Hex(0C249C) contains.

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# Color

Hex(0C249C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C249C
RGB	12, 36, 156
RGB Percent	5%, 14%, 61%
CMY	0.9529, 0.8588, 0.3882
CMYK	0.92, 0.77, 0.00, 0.39
HSL	230°, 86%, 33%
HSV	230°, 92%, 61%
XYZ	6.7832, 3.7402, 31.8169
YIQ	42.5040, -52.8240, 32.2320

# Conversions

## Conversions Part 2

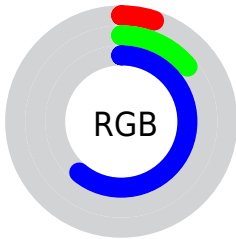
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 33, 156
Decimal	795804
CIE <sub>Lab</sub>	22.79, 40.18, -65.83
CIE <sub>LCh</sub>	23, 77.128, 301.400
Yxy	3.7402, 0.1602, 0.0883
Android (android.graphics.Color)	4278985884 (0xFF0C249C)
YUV	42.5040, 55.9535, -26.7520
Hunter-Lab	19.3396, 28.7633, -84.0041

# Details

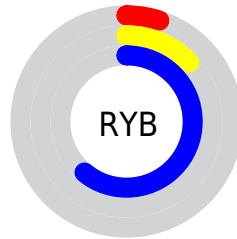
The Hex color **0C249C** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **9C840C**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **5C52D4**, and **000067** is the 20% darker color. If you saturate the color by 10%, you get **001A9C**, and if you desaturate by 10%, it is **1C319C**.

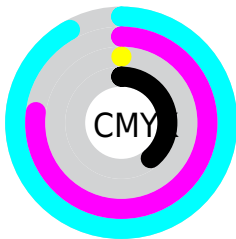
# Distribution



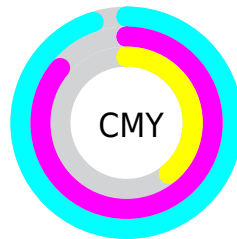
- Red (5%)
- Green (14%)
- Blue (61%)



- Red (5%)
- Yellow (13%)
- Blue (61%)



- Cyan (92%)
- Magenta (77%)
- Yellow (0%)
- Black (39%)



- Cyan (95%)
- Magenta (86%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C249C 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 0C249C by changing the saturation by 10% instead.



■ 0C249C

■ 0C249C

FFFFFF

■ 000F81

■ 5C52D4

■ 000067

■ 7A6AF1

■ 00034E

■ 9784FF

■ 000536

■ B59EFF

■ 000220

■ D3B9FF

■ 000004

■ F1D5FF

■ 000000

■ FFF2FF

■ 0C249C

■ 0C249C

■ 001A9C

■ 1C319C

■ 2B3E9C

■ 3B4B9C

■ 4A589C

■ 5A659C

■ 6A729C

■ 797F9C

■ 898C9C

■ 98999C

# Harmonies

## Analogous

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



0040AE



0C249C



77006F

# Triad

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



0C249C



6D1500



004938

# Complementary

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



0C249C



9C840C

# 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.



004700



0C249C



423600

# Square

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



0C249C



8A0000



004200



004B72

# Rectangle

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



0C249C



8D004A



004200



004923



# Sweetspot

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



0C249C



939CCC



0C9C84



434966



E6E6E6



666666



# Same Dimension

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



0C249C



0022CC



3C0C9C



47484F



00188F



00030F



# Inverse Universe

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



9C0C24



CC0022



6C9C0C



4F4748



8F0018

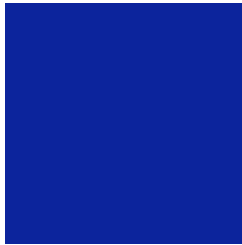


0F0003



# Previews

## White Background



This preview shows how the Hex color 0C249C looks on a white background.

## Color Contrast Check

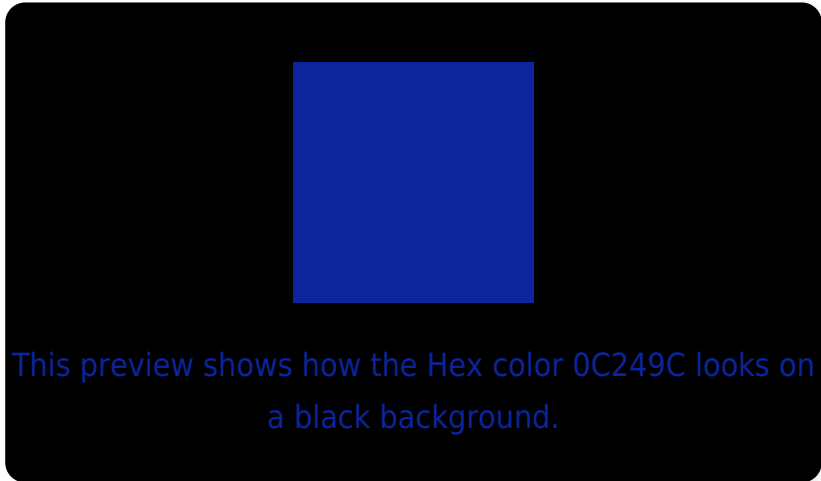
Large Text (above 18pt) WCAG AA ✓ Pass

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

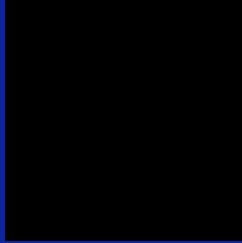
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C249C Background



This preview shows how black text looks on a background with the Hex color 0C249C.



This preview shows how white text looks on a background with the Hex color 0C249C.

# 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**  
0C249C

**Protanopia**  
003570

**Deuteranopia**  
00395F



**Tritanopia**  
003D40

# Trichromacy



**Original Color**  
0C249C

**Protanomaly**  
042F80

**Deuteranomaly**  
043175

**Tritanomaly**  
043461

# Monochromacy



**Original Color**  
0C249C

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
202854

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C249C 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 #0C249C looks like.

```
.text, #text, p{  
    color:#0C249C  
}
```

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 #0C249C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C249C
}
```

## Border

The CSS property to change the border of an element to Hex 0C249C is called "border". The border property can be set on classes, ids or directly on the HTML element.

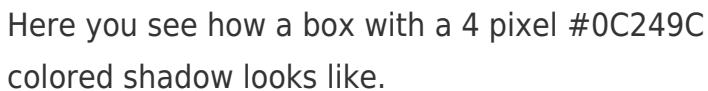
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0C249C }
```

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

```
.border{ border-color:#0C249C }
```

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



Here you see how a box with a 4 pixel #0C249C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C249C; -webkit-box-shadow:4px 4px  
4px 4px #0C249C; box-shadow:4px 4px 4px  
4px #0C249C }
```

# Background

The CSS property to change the background color of an element to Hex 0C249C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C249C }
```

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

```
.background{ background-color:#0C249C }
```

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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