

# Converting Colors

Hex(0C419B)

Have a look what the booklet for  
Hex(0C419B) contains.

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# Color

**Hex(0C419B)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 0C419B                     |
| RGB           | 12, 65, 155                |
| RGB Percent   | 5%, 25%, 61%               |
| CMY           | 0.9529, 0.7451, 0.3922     |
| CMYK          | 0.92, 0.58, 0.00, 0.39     |
| HSL           | 218°, 86%, 33%             |
| HSV           | 218°, 92%, 61%             |
| XYZ           | 7.9583, 6.2253, 31.7925    |
| YIQ           | 59.4130, -60.4780, 16.7540 |

# Conversions

## Conversions Part 2

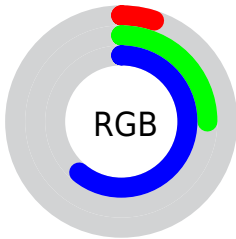
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 12, 51, 155                   |
| Decimal                             | 803227                        |
| CIE <sub>Lab</sub>                  | 29.97, 20.58, -53.42          |
| CIE <sub>LCh</sub>                  | 30, 57.245, 291.068           |
| Yxy                                 | 6.2253, 0.1731,<br>0.1354     |
| Android<br>(android.graphics.Color) | 4278993307<br>(0xFF0C419B)    |
| YUV                                 | 59.4130, 47.1244,<br>-41.5812 |
| Hunter-Lab                          | 24.9506, 13.2714,<br>-58.0830 |

# Details

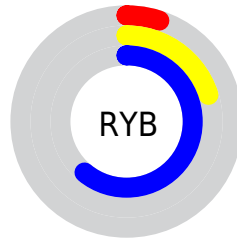
The Hex color **0C419B** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9B660C**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **5970D2**, and **001867** is the 20% darker color. If you saturate the color by 10%, you get **00399B**, and if you desaturate by 10%, it is **1B4B9B**.

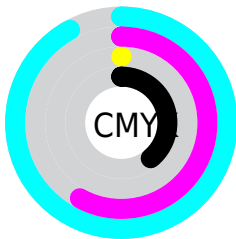
# Distribution



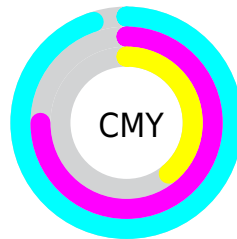
- Red (5%)
- Green (25%)
- Blue (61%)



- Red (5%)
- Yellow (20%)
- Blue (61%)



- Cyan (92%)
- Magenta (58%)
- Yellow (0%)
- Black (39%)



- Cyan (95%)
- Magenta (75%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C419B 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 0C419B by changing the saturation by 10% instead.



 0C419B

 0C419B


FFFFFF

 002C80

 5970D2

 001867

 7689EF

 00004E

 93A4FF

 000536

 B0BFFF

 000220

 CEDAFF

 000004

 EBF7FF

 000000

 0C419B

 0C419B

 00399B

 1B4B9B

■ 2B559B

■ 3A5E9B

■ 4A689B

■ 5A729B

■ 697C9B

■ 78859B

■ 888F9B

■ 97999B

# Harmonies

## Analogous

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



0050A0



0C419B



6D277F

# Triad

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



0C419B



812900



005837

# Complementary

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



0C419B



9B660C

# 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.



005502



0C419B



624000

# Square

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



0C419B



91022A



3A4E00



005966

# Rectangle

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



0C419B



860C65



3A4E00



005727



# Sweetspot

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



0C419B



91A6C9



0C9B64



435066



E6E6E6



666666



# Same Dimension

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



0C419B



004BC9



1D0C9B



45484D



00348C



00050D



# Inverse Universe

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



9B0C41



C9004B



8A9B0C



4D4548



8C0034



0D0005



# Previews

## White Background



This preview shows how the Hex color 0C419B looks on a white background.

## Color Contrast Check

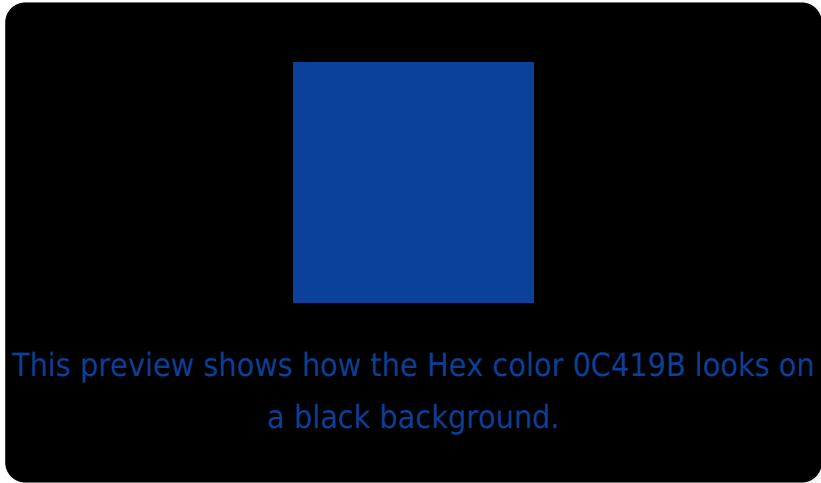
Large Text (above 18pt) WCAG AA ✓ Pass

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

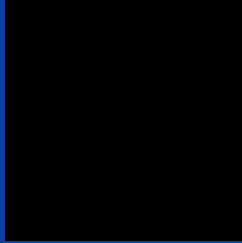
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C419B Background



This preview shows how black text looks on a background with the Hex color 0C419B.



This preview shows how white text looks on a background with the Hex color 0C419B.

# 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**

0C419B

**Protanopia**

004490

**Deuteranopia**

00497C



**Tritanopia**  
004F53

# Trichromacy



**Original Color**  
0C419B

**Protanomaly**  
044394

**Deuteranomaly**  
044687

**Tritanomaly**  
044A6D

# Monochromacy



**Original Color**  
0C419B

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
2A3D5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C419B 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 #0C419B looks like.

```
.text, #text, p{  
    color:#0C419B  
}
```

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 #0C419B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C419B
}
```

## Border

The CSS property to change the border of an element to Hex 0C419B 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
#0C419B }
```

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

```
.border{ border-color:#0C419B }
```

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

Here you see how a box with a 4 pixel #0C419B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C419B; -webkit-box-shadow:4px 4px  
4px 4px #0C419B; box-shadow:4px 4px 4px  
4px #0C419B }
```

# Background

The CSS property to change the background color of an element to Hex 0C419B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C419B }
```

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

```
.background{ background-color:#0C419B }
```

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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