

# Converting Colors

Hex(103C9C)

Have a look what the booklet for  
Hex(103C9C) contains.

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# Color

Hex(103C9C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	103C9C
RGB	16, 60, 156
RGB Percent	6%, 24%, 61%
CMY	0.9373, 0.7647, 0.3882
CMYK	0.90, 0.62, 0.00, 0.39
HSL	221°, 81%, 34%
HSV	221°, 90%, 61%
XYZ	7.8303, 5.7422, 32.1481
YIQ	57.7880, -57.0400, 20.5280

# Conversions

## Conversions Part 2

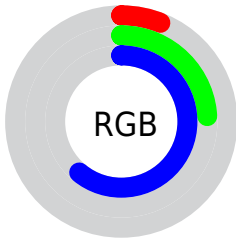
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 49, 156
Decimal	1064092
CIE <sub>Lab</sub>	28.75, 24.66, -56.02
CIE <sub>LCh</sub>	29, 61.207, 293.763
Yxy	5.7422, 0.1713, 0.1256
Android (android.graphics.Color)	4279254172 (0xFF103C9C)
YUV	57.7880, 48.4185, -36.6481
Hunter-Lab	23.9628, 16.3932, -62.7685

# Details

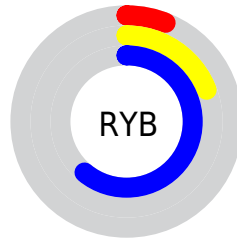
The Hex color **103C9C** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9C7010**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **5B6BD3**, and **001468** is the 20% darker color. If you saturate the color by 10%, you get **00319C**, and if you desaturate by 10%, it is **20479C**.

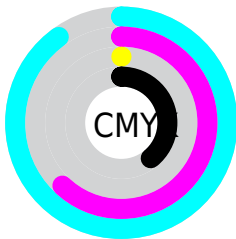
# Distribution



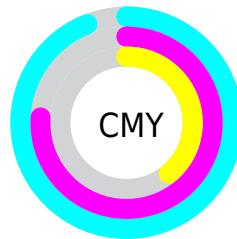
- Red (6%)
- Green (24%)
- Blue (61%)



- Red (6%)
- Yellow (19%)
- Blue (61%)



- Cyan (90%)
- Magenta (62%)
- Yellow (0%)
- Black (39%)



- Cyan (94%)
- Magenta (76%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 103C9C 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 103C9C by changing the saturation by 10% instead.



■ 103C9C

FFFFFF

■ 5B6BD3

■ 7884F0

■ 959EFF

■ B2B9FF

■ D0D4FF

■ EEF1FF

■ 103C9C

■ 00319C

■ 103C9C

■ 002781

■ 001468

■ 00004F

■ 000537

■ 000221

■ 000005

■ 000000

■ 103C9C

■ 20479C

■ 2F519C

■ 3F5C9C

■ 4E679C

■ 5E719C

■ 6E7C9C

■ 7D879C

■ 8D929C

■ 9C9C9C

# Harmonies

## Analogous

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



004DA4



103C9C



701B7D

# Triad

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



103C9C



7E2600



005638

# Complementary

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



103C9C



9C7010

# 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.



005300



103C9C



5C3F00

# Square

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



103C9C



910022



304C00



005769

# Rectangle

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



103C9C



88005F



304C00



005527



# Sweetspot

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



103C9C



95A6CC



109C70



455066



E6E6E6



666666



# Same Dimension

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



103C9C



0040CC



2A109C



474A4F



002D8F



00050F



# Inverse Universe

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



9C103C



CC0040



829C10



4F474A



8F002D



0F0005



# Previews

## White Background



This preview shows how the Hex color 103C9C looks on a white background.

## Color Contrast Check

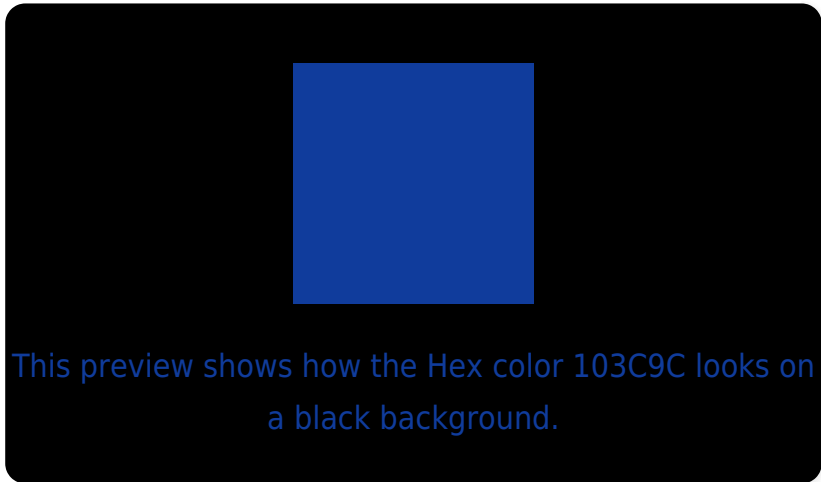
Large Text (above 18pt) WCAG AA ✓ Pass

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

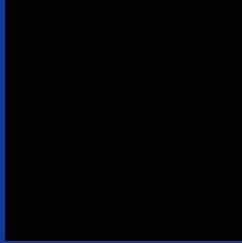
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 103C9C Background



This preview shows how black text looks on a background with the Hex color 103C9C.



This preview shows how white text looks on a background with the Hex color 103C9C.

# 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**  
103C9C

**Protanopia**  
00418A

**Deuteranopia**  
004677



**Tritanopia**  
004B50

# Trichromacy



**Original Color**  
103C9C

**Protanomaly**  
063F91

**Deuteranomaly**  
064284

**Tritanomaly**  
06466C

# Monochromacy



**Original Color**  
103C9C

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
2B3B5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 103C9C 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 #103C9C looks like.

```
.text, #text, p{  
    color:#103C9C  
}
```

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 #103C9C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #103C9C
}
```

## Border

The CSS property to change the border of an element to Hex 103C9C 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
#103C9C }
```

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

```
.border{ border-color:#103C9C }
```

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

Here you see how a box with a 4 pixel #103C9C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #103C9C; -webkit-box-shadow:4px 4px  
4px 4px #103C9C; box-shadow:4px 4px 4px  
4px #103C9C }
```

# Background

The CSS property to change the background color of an element to Hex 103C9C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#103C9C }
```

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

```
.background{ background-color:#103C9C }
```

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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