

# Converting Colors

Hex(331B9C)

Have a look what the booklet for  
Hex(331B9C) contains.

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# Color

**Hex(331B9C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	331B9C
RGB	51, 27, 156
RGB Percent	20%, 11%, 61%
CMY	0.8000, 0.8941, 0.3882
CMYK	0.67, 0.83, 0.00, 0.39
HSL	251°, 70%, 36%
HSV	251°, 83%, 61%
XYZ	7.7579, 3.8880, 31.7941
YIQ	48.8820, -27.1050, 45.2070

# Conversions

## Conversions Part 2

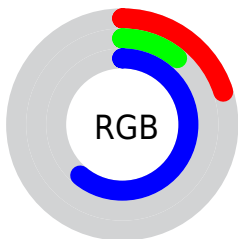
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 27, 156
Decimal	3349404
CIELab	23.30, 47.50, -64.93
CIElCh	23, 80.453, 306.189
Yxy	3.8880, 0.1786, 0.0895
Android (android.graphics.Color)	4281539484 (0xFF331B9C)
YUV	48.8820, 52.8092, 1.8575
Hunter-Lab	19.7179, 35.7235, -81.7992

# Details

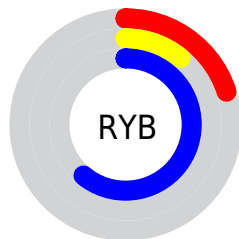
The Hex color **331B9C** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **849C1B**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **714CD4**, and **000067** is the 20% darker color. If you saturate the color by 10%, you get **260B9C**, and if you desaturate by 10%, it is **402B9C**.

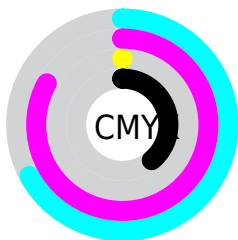
# Distribution



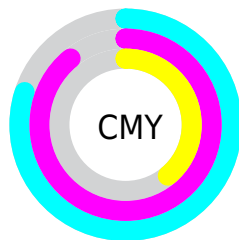
- Red (20%)
- Green (11%)
- Blue (61%)



- Red (20%)
- Yellow (11%)
- Blue (61%)



- Cyan (67%)
- Magenta (83%)
- Yellow (0%)
- Black (39%)



- Cyan (80%)
- Magenta (89%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 331B9C 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 331B9C by changing the saturation by 10% instead.



■ 331B9C

■ 331B9C

FFFFFF

■ 010181

■ 714CD4

■ 000067

■ 8E65F1

■ 00004E

■ AB7FFF

■ 000536

■ C899FF

■ 000220

■ E6B4FF

■ 000004

■ FFD0FF

■ 000000

■ FFEDFF

■ 331B9C

■ 331B9C

■ 260B9C

■ 402B9C

■ 1D009C

■ 4C3A9C

■ 594A9C

■ 66599C

■ 72699C

■ 7F799C

■ 8C889C

■ 99989C

■ A5A79C

# Harmonies

## Analogous

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



003FB4



331B9C



83006A

# Triad

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



331B9C



6A1D00



004B43

# Complementary

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



331B9C



849C1B

# 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.



004900



331B9C



3A3A00

# Square

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



331B9C



8B0000



004500



004C7F

# Rectangle

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



331B9C



940042



004500



004B2E



# Sweetspot

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



331B9C



A299CC



1B849C



4D4766



E6E6E6



666666



# Same Dimension

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



331B9C



2802CC



731B9C



49474F



1B008F



03000F



# Inverse Universe

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



9C1B84



CC02A6



449C1B



4F474E



8F0074

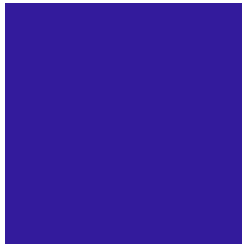


0F000C



# Previews

## White Background



This preview shows how the Hex color 331B9C looks on a white background.

## Color Contrast Check

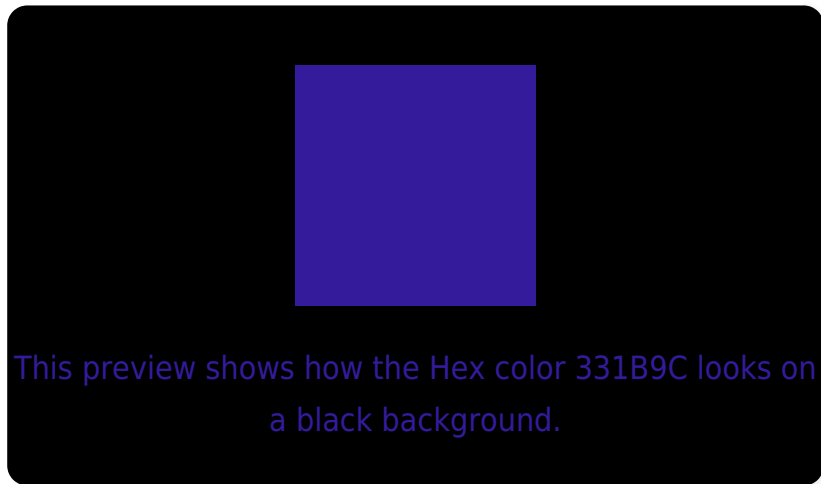
Large Text (above 18pt) WCAG AA ✓ Pass

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

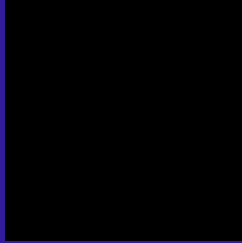
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 331B9C Background



This preview shows how black text looks on a background with the Hex color 331B9C.



This preview shows how white text looks on a background with the Hex color 331B9C.

# 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**  
331B9C

**Protanopia**  
003672

**Deuteranopia**  
003A61



**Tritanopia**  
003E43

# Trichromacy



**Original Color**  
331B9C

**Protanomaly**  
132C81

**Deuteranomaly**  
132F76

**Tritanomaly**  
133163

# Monochromacy



**Original Color**  
331B9C

**Achromatopsia**  
313131

**Achromatomaly**  
322958

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 331B9C 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 #331B9C looks like.

```
.text, #text, p{  
    color:#331B9C  
}
```

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 #331B9C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #331B9C
}
```

## Border

The CSS property to change the border of an element to Hex 331B9C 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".

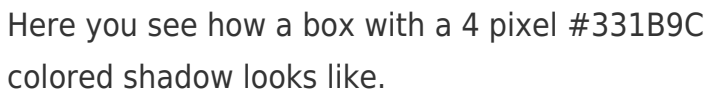
```
.border, #border, table{ border:4px solid
#331B9C }
```

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

```
.border{ border-color:#331B9C }
```

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

Here you see how a box with a 4 pixel #331B9C colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and centered.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #331B9C; -webkit-box-shadow:4px 4px  
4px 4px #331B9C; box-shadow:4px 4px 4px  
4px #331B9C }
```

# Background

The CSS property to change the background color of an element to Hex 331B9C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#331B9C }
```

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

```
.background{ background-color:#331B9C }
```

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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