

Converting Colors

Hex(301F9B)

Have a look what the booklet for
Hex(301F9B) contains.

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Color

Hex(301F9B)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 301F9B |
| RGB | 48, 31, 155 |
| RGB Percent | 19%, 12%, 61% |
| CMY | 0.8118, 0.8784, 0.3922 |
| CMYK | 0.69, 0.80, 0.00, 0.39 |
| HSL | 248°, 67%, 36% |
| HSV | 248°, 80%, 61% |
| XYZ | 7.6253, 3.9749, 31.3757 |
| YIQ | 50.2190, -29.6720, 42.1680 |

Conversions

Conversions Part 2

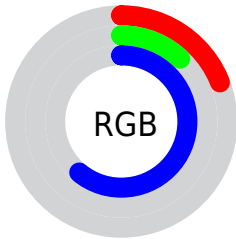
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 48, 31, 155 |
| Decimal | 3153819 |
| CIELab | 23.59, 45.01, -63.85 |
| CIElCh | 24, 78.115, 305.182 |
| Yxy | 3.9749, 0.1774, 0.0925 |
| Android (android.graphics.Color) | 4281343899 (0xFF301F9B) |
| YUV | 50.2190, 51.6570, -1.9461 |
| Hunter-Lab | 19.9372, 33.3802, -79.3503 |

Details

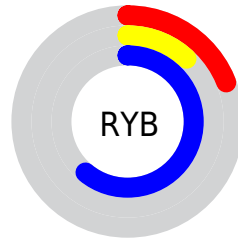
The Hex color **301F9B** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **8A9B1F**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **6E4FD3**, and **000066** is the 20% darker color. If you saturate the color by 10%, you get **230F9B**, and if you desaturate by 10%, it is **3D2F9B**.

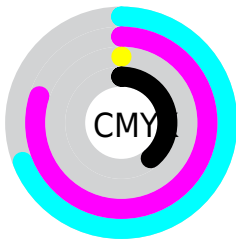
Distribution



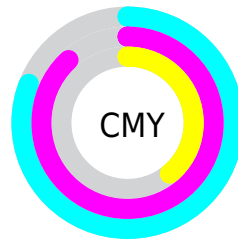
- Red (19%)
- Green (12%)
- Blue (61%)



- Red (19%)
- Yellow (12%)
- Blue (61%)



- Cyan (69%)
- Magenta (80%)
- Yellow (0%)
- Black (39%)



- Cyan (81%)
- Magenta (88%)
- Yellow (39%)
- Black (39%)

Brightness & Saturation Gradients

These gradients show how the Hex color 301F9B 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 301F9B by changing the saturation by 10% instead.

■ 301F9B

■ 301F9B

FFFFFF

■ 000680

■ 6E4FD3

■ 000066

■ 8B68EF

■ 00004D

■ A881FF

■ 000535

■ C59CFF

■ 00021F

■ E3B7FF

■ 000003

■ FFD3FF

■ 000000

■ FFF0FF

■ 301F9B

■ 301F9B

■ 230F9B

■ 3D2F9B

■ 15009B

■ 4B3E9B

■ 584E9B

■ 655D9B

■ 736C9B

■ 807C9B

■ 8E8B9B

■ 9B9B9B

■ A8AB9B

Harmonies

Analogous

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



0040B2



301F9B



80006B

Triad

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



301F9B



6B1D00



004C41

Complementary

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



301F9B



8A9B1F

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



301F9B



3D3A00

Square

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



301F9B



8B0000



004500



004D7C

Rectangle

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



301F9B



920044



004500



004B2D

Sweetspot

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



301F9B



A099C9



1F8A9B



4C4866



E6E6E6



666666

Same Dimension

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



301F9B



2308C9



6E1F9B



46454D



13008C



02000D

Inverse Universe

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



9B1F8A



C908AF



4C9B1F



4D454B



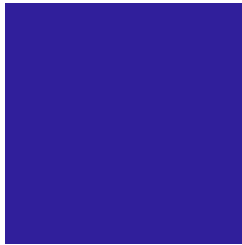
8C0079



0D000B

Previews

White Background



This preview shows how the Hex color 301F9B looks on a white background.

Color Contrast Check

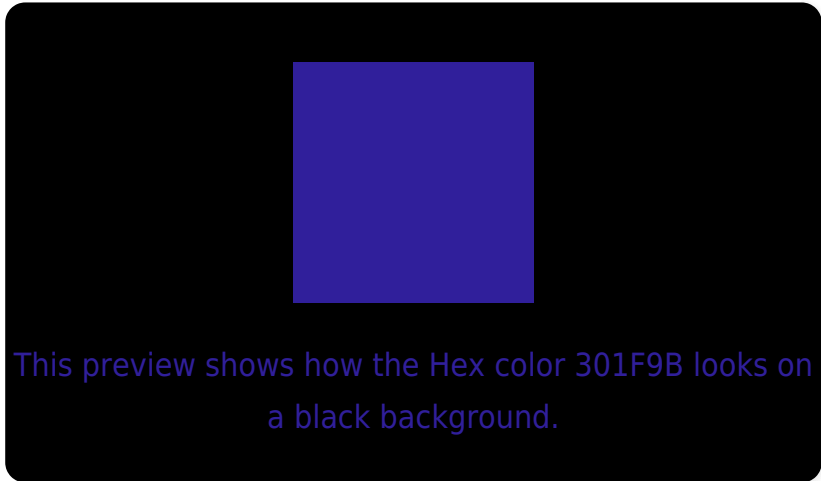
Large Text (above 18pt) WCAG AA ✓ Pass

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

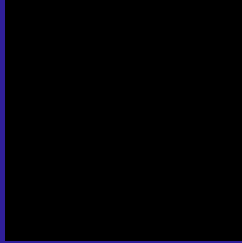
Any Text WCAG AA × Fail

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 301F9B Background



This preview shows how black text looks on a background with the Hex color 301F9B.



This preview shows how white text looks on a background with the Hex color 301F9B.

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
301F9B

Protanopia
003773

Deuteranopia
003A62



Tritanopia
003F43

Trichromacy



Original Color
301F9B

Protanomaly
112E82

Deuteranomaly
113077

Tritanomaly
113363

Monochromacy



Original Color
301F9B

Achromatopsia
323232

Achromatomaly
312B58

CSS Examples

Text

The CSS property to change the color of the text to Hex 301F9B 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 #301F9B looks like.

```
.text, #text, p{  
    color:#301F9B  
}
```

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 #301F9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #301F9B
}
```

Border

The CSS property to change the border of an element to Hex 301F9B 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
#301F9B }
```

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

```
.border{ border-color:#301F9B }
```

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

Here you see how a box with a 4 pixel #301F9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #301F9B; -webkit-box-shadow:4px 4px  
4px 4px #301F9B; box-shadow:4px 4px 4px  
4px #301F9B }
```

Background

The CSS property to change the background color of an element to Hex 301F9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#301F9B }
```

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

```
.background{ background-color:#301F9B }
```

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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