

Converting Colors

Hex(301EA7)

Have a look what the booklet for
Hex(301EA7) contains.

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Color

Hex(301EA7)

Conversions

Conversions Part 1

Format	Color
Hex	301EA7
RGB	48, 30, 167
RGB Percent	19%, 12%, 65%
CMY	0.8118, 0.8824, 0.3451
CMYK	0.71, 0.82, 0.00, 0.35
HSL	248°, 70%, 39%
HSV	248°, 82%, 65%
XYZ	8.6582, 4.3469, 36.9419
YIQ	51.0000, -33.2490, 46.4230

Conversions

Conversions Part 2

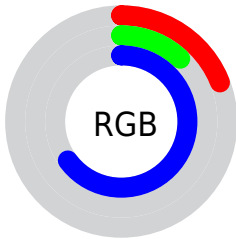
Format	Color
R_{YB}	48, 30, 167
Decimal	3153575
CIE _{Lab}	24.79, 49.17, -69.17
CIE _{LCh}	25, 84.866, 305.407
Yxy	4.3469, 0.1733, 0.0870
Android (android.graphics.Color)	4281343655 (0xFF301EA7)
YUV	51.0000, 57.1880, -2.6310
Hunter-Lab	20.8493, 37.6406, -90.4586

Details

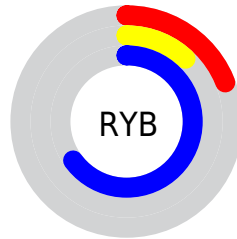
The Hex color **301EA7** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **95A71E**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **714FDF**, and **000071** is the 20% darker color. If you saturate the color by 10%, you get **210DA7**, and if you desaturate by 10%, it is **3F2FA7**.

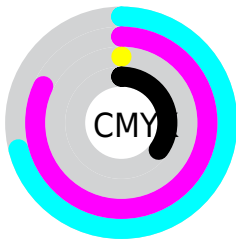
Distribution



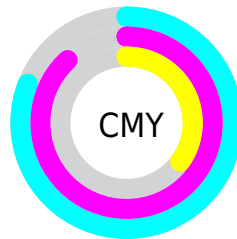
- Red (19%)
- Green (12%)
- Blue (65%)



- Red (19%)
- Yellow (12%)
- Blue (65%)



- Cyan (71%)
- Magenta (82%)
- Yellow (0%)
- Black (35%)



- Cyan (81%)
- Magenta (88%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Hex color 301EA7 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 301EA7 by changing the saturation by 10% instead.

■ 301EA7

■ 301EA7

FFFFFF

■ 00048C

■ 714FDF

■ 000071

■ 8E68FD

■ 000058

■ AC82FF

■ 00073F

■ CA9CFF

■ 000329

■ E8B8FF

■ 000112

■ FFD4FF

■ 000000

■ FFF0FF

■ 301EA7

■ 301EA7

■ 210DA7

■ 3F2FA7

■ 1600A7

■ 4D3FA7

■ 5C50A7

■ 6A61A7

■ 7972A7

■ 8782A7

■ 9693A7

■ A4A4A7

■ B3B4A7

Harmonies

Analogous

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



0043C0



301EA7



890072

Triad

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



301EA7



711D00



004F46

Complementary

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



301EA7



95A71E

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.



004D00



301EA7



3F3D00

Square

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



301EA7



940000



004900



005186

Rectangle

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



301EA7



9D0048



004900



004F2F

Sweetspot

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



301EA7



AAA3D9



1E97A7



514D6E



EDEDED



6E6E6E

Same Dimension

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



301EA7



2004D9



721EA7



4D4C54



130094



030014

Inverse Universe

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



A71E95



D904BD



53A71E



544C53



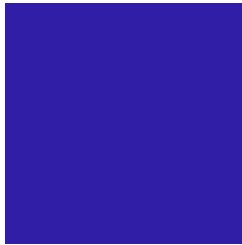
940080



140012

Previews

White Background



This preview shows how the Hex color 301EA7 looks on a white background.

Color Contrast Check

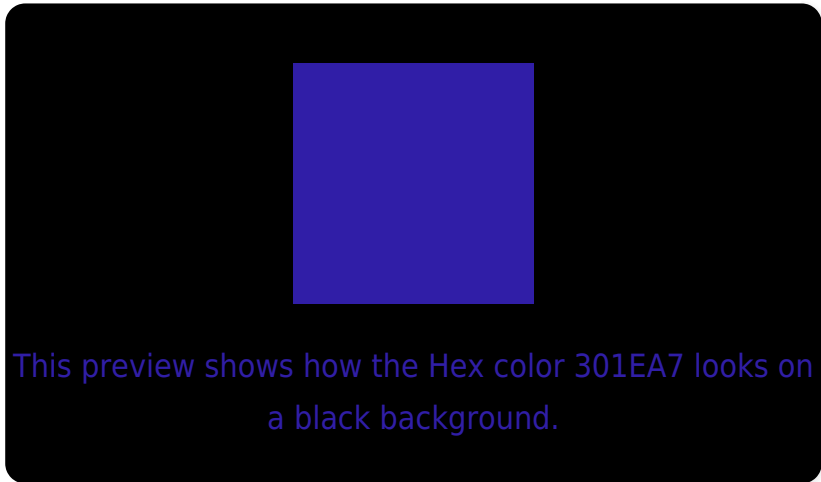
Large Text (above 18pt) WCAG AA ✓ Pass

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

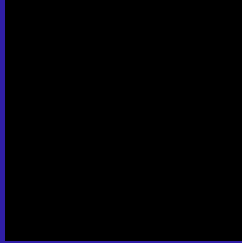
Any Text WCAG AA × Fail

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 301EA7 Background



This preview shows how black text looks on a background with the Hex color 301EA7.



This preview shows how white text looks on a background with the Hex color 301EA7.

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
301EA7

Protanopia
003978

Deuteranopia
003D66

Trichromacy



Original Color
301EA7

Protanomaly
112F89

Deuteranomaly
11327E

Tritanomaly
113569

Monochromacy



Original Color
301EA7

Achromatopsia
333333

Achromatomaly
322B5D

CSS Examples

Text

The CSS property to change the color of the text to Hex 301EA7 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 #301EA7 looks like.

```
.text, #text, p{  
    color:#301EA7  
}
```

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 #301EA7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #301EA7
}
```

Border

The CSS property to change the border of an element to Hex 301EA7 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".

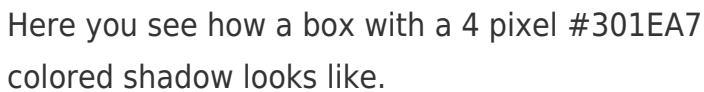
```
.border, #border, table{ border:4px solid
#301EA7 }
```

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

```
.border{ border-color:#301EA7 }
```

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

Here you see how a box with a 4 pixel #301EA7 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #301EA7; -webkit-box-shadow:4px 4px  
4px 4px #301EA7; box-shadow:4px 4px 4px  
4px #301EA7 }
```

Background

The CSS property to change the background color of an element to Hex 301EA7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#301EA7 }
```

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

```
.background{ background-color:#301EA7 }
```

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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