

# Converting Colors

Hex(311B00)

Have a look what the booklet for  
Hex(311B00) contains.

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**Color**

**Hex(311B00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	311B00
RGB	49, 27, 0
RGB Percent	19%, 11%, 0%
CMY	0.8078, 0.8941, 1.0000
CMYK	0.00, 0.45, 1.00, 0.81
HSL	33°, 100%, 10%
HSV	33°, 100%, 19%
XYZ	1.6586, 1.4368, 0.1899
YIQ	30.5000, 21.7790, -3.7330

# Conversions

## Conversions Part 2

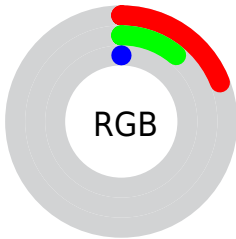
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	40, 49, 0
Decimal	3218176
CIE Lab	12.20, 8.13, 18.32
CIE LCh	12, 20.044, 66.060
Yxy	1.4368, 0.5048, 0.4374
Android (android.graphics.Color)	4281408256 (0xFF311B00)
YUV	30.5000, -15.0365, 16.2245
Hunter-Lab	11.9868, 3.7213, 7.4514

# Details

The Hex color **311B00** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **001631**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **61462F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **311B00**, and if you desaturate by 10%, it is **311D05**.

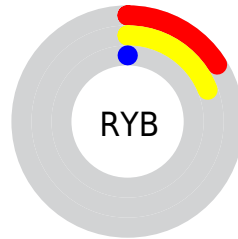
# Distribution



Red (19%)

Green (11%)

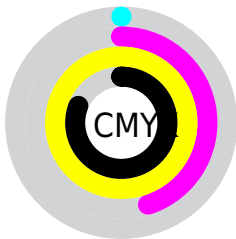
Blue (0%)



Red (16%)

Yellow (19%)

Blue (0%)

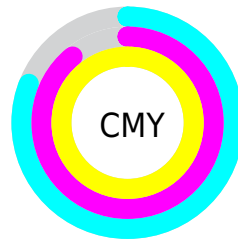


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (81%)



Cyan (81%)

Magenta (89%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 311B00 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 311B00 by changing the saturation by 10% instead.



 311B00

 311B00

 FFFFE2

 1A0100

 61462F

 000000

 7B5E46


 95775E

 B09076

 CCAB90

 E9C6AB

 FFE2C6

 311B00

■ 311D05

■ 311F0A

■ 31220F

■ 312414

■ 312619

■ 31281D

■ 312A22

■ 312D27

■ 312F2C

# Harmonies

## Analogous

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



381610



311B00



262000

# Triad

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



311B00



002722



241B36

# Complementary

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



311B00



001631

# 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.



09213B



311B00



002630

# Square

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



311B00



022614



002439



33162B

# Rectangle

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



311B00



1D2300



002439



1D1D39



# Sweetspot

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



311B00



40372D



310016



211C15



A1A1A1



212121



# Same Dimension

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



311B00



402300



2F3100



1A1817



593100



D97700



# Inverse Universe

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



001631



001D40



020031



17181A



002859

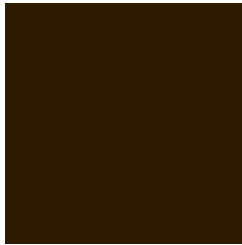


0061D9



# Previews

## White Background



This preview shows how the Hex color 311B00 looks on a white background.

## Color Contrast Check

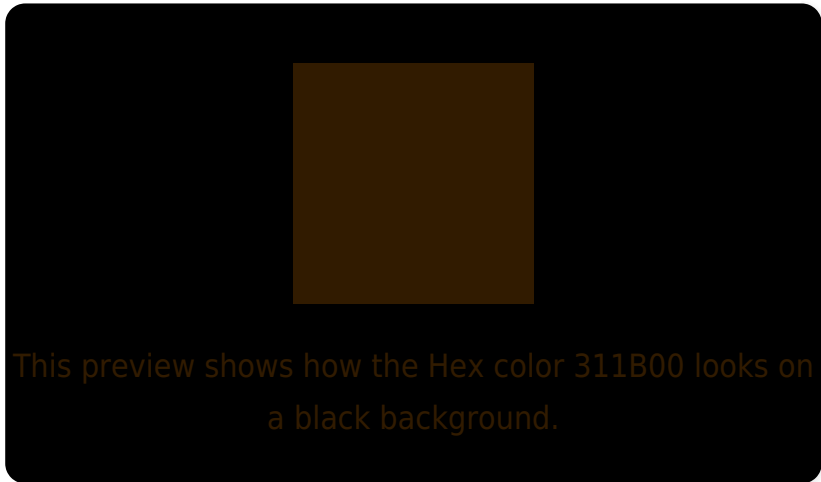
Large Text (above 18pt) WCAG AA ✓ Pass

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

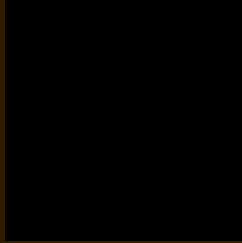
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 311B00 Background



This preview shows how black text looks on a background with the Hex color 311B00.

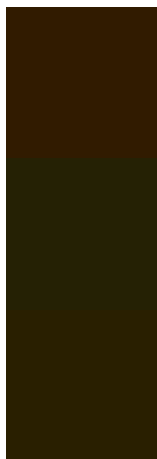


This preview shows how white text looks on a background with the Hex color 311B00.

# 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**  
311B00

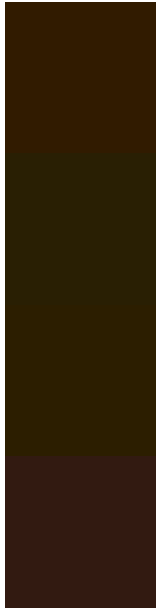
**Protanopia**  
252104

**Deuteranopia**  
291F00



**Tritanopia**  
32191B

# Trichromacy



**Original Color**  
311B00

**Protanomaly**  
291F03

**Deuteranomaly**  
2C1E00

**Tritanomaly**  
321A11

# Monochromacy



**Original Color**  
311B00

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
261E14

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 311B00 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 #311B00 looks like.

```
.text, #text, p{  
    color:#311B00  
}
```

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 #311B00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #311B00
}
```

## Border

The CSS property to change the border of an element to Hex 311B00 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".

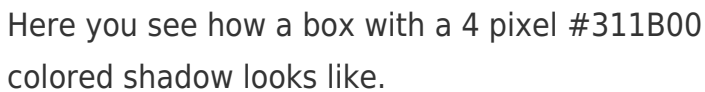
```
.border, #border, table{ border:4px solid
#311B00 }
```

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

```
.border{ border-color:#311B00 }
```

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

Here you see how a box with a 4 pixel #311B00 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #311B00; -webkit-box-shadow:4px 4px  
4px 4px #311B00; box-shadow:4px 4px 4px  
4px #311B00 }
```

# Background

The CSS property to change the background color of an element to Hex 311B00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#311B00 }
```

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

```
.background{ background-color:#311B00 }
```

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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