

# Converting Colors

Hex(311A13)

Have a look what the booklet for  
Hex(311A13) contains.

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# Color

**Hex(311A13)**

# Conversions

## Conversions Part 1

Format	Color
Hex	311A13
RGB	49, 26, 19
RGB Percent	19%, 10%, 7%
CMY	0.8078, 0.8980, 0.9255
CMYK	0.00, 0.47, 0.61, 0.81
HSL	14°, 44%, 13%
HSV	14°, 61%, 19%
XYZ	1.7536, 1.4388, 0.8014
YIQ	32.0790, 15.9550, 2.6990

# Conversions

## Conversions Part 2

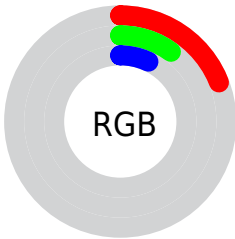
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 28, 19
Decimal	3217939
CIE <sub>Lab</sub>	12.21, 10.51, 9.60
CIE <sub>LCh</sub>	12, 14.231, 42.397
Yxy	1.4388, 0.4391, 0.3603
Android (android.graphics.Color)	4281408019 (0xFF311A13)
YUV	32.0790, -6.4479, 14.8397
Hunter-Lab	11.9949, 5.1043, 4.4352

# Details

The Hex color **311A13** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **132A31**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **61453D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **31160E**, and if you desaturate by 10%, it is **311E18**.

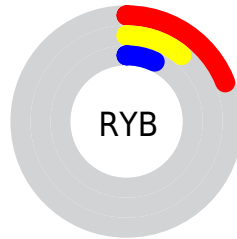
# Distribution



Red (19%)

Green (10%)

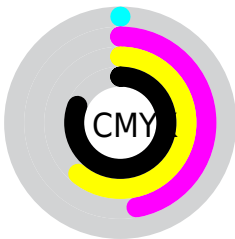
Blue (7%)



Red (19%)

Yellow (11%)

Blue (7%)

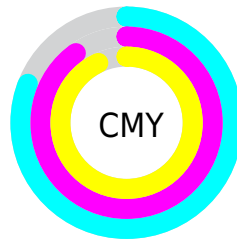


Cyan (0%)

Magenta (47%)

Yellow (61%)

Black (81%)



Cyan (81%)

Magenta (90%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 311A13 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 311A13 by changing the saturation by 10% instead.



 311A13

 311A13

 FFFEF3

 1D0000

 61453D

 000000

 7A5D54


 94766D


 AF8F86

 CBAAA0

 E7C5BB

 FFE1D7

 311A13

 311A13

■ 31160E

■ 311E18

■ 311209

■ 31221D

■ 310F04

■ 312522

■ 310B00

■ 312927

■ 312D2C

■ 313130

■ 313435

■ 31383A

■ 313C3F

# Harmonies

## Analogous

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



33181C



311A13



2B1D0B

# Triad

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



311A13



0A251A



182033

# Complementary

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



311A13



132A31

# 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.



042332



311A13



002524

# Square

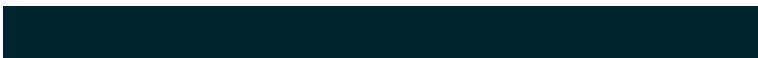
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



311A13



172311



00242D



261C2E

# Rectangle

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



311A13



262009



00242D



122133



# Sweetspot

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



311A13



403734



31132A



211C1A



A1A1A1



212121



# Same Dimension

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



311A13



401C11



312913



1A1817



591500



D93300



# Inverse Universe

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



132A31



113540



131B31



17191A



004459

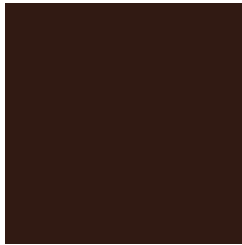


00A6D9



# Previews

## White Background



This preview shows how the Hex color 311A13 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

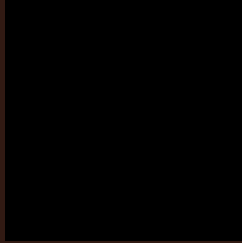
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 311A13 Background



This preview shows how black text looks on a background with the Hex color 311A13.



This preview shows how white text looks on a background with the Hex color 311A13.

# 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**  
311A13

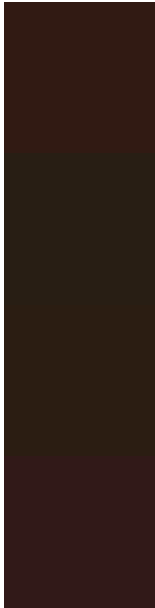
**Protanopia**  
232115

**Deuteranopia**  
281F12



**Tritanopia**  
31191B

# Trichromacy



**Original Color**

311A13

**Protanomaly**

281E14

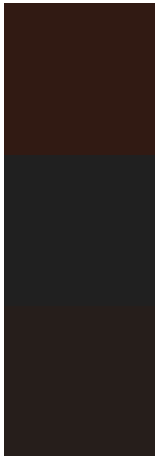
**Deuteranomaly**

2B1D12

**Tritanomaly**

311918

# Monochromacy



**Original Color**

311A13

**Achromatopsia**

202020

**Achromatomaly**

261E1B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 311A13 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 #311A13 looks like.

```
.text, #text, p{  
    color:#311A13  
}
```

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 #311A13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #311A13
}
```

## Border

The CSS property to change the border of an element to Hex 311A13 is called "border". The border property can be set on classes, ids or directly on the HTML element.

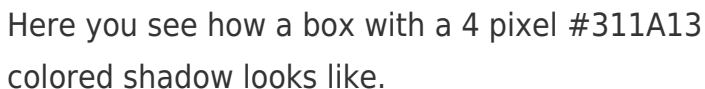
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#311A13 }
```

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

```
.border{ border-color:#311A13 }
```

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



Here you see how a box with a 4 pixel #311A13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #311A13; -webkit-box-shadow:4px 4px  
4px 4px #311A13; box-shadow:4px 4px 4px  
4px #311A13 }
```

# Background

The CSS property to change the background color of an element to Hex 311A13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#311A13 }
```

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

```
.background{ background-color:#311A13 }
```

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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