

Converting Colors

Hex(311C23)

Have a look what the booklet for
Hex(311C23) contains.

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Color

Hex(311C23)

Conversions

Conversions Part 1

Format	Color
Hex	311C23
RGB	49, 28, 35
RGB Percent	19%, 11%, 14%
CMY	0.8078, 0.8902, 0.8627
CMYK	0.00, 0.43, 0.29, 0.81
HSL	340°, 27%, 15%
HSV	340°, 43%, 19%
XYZ	1.9852, 1.6048, 1.7952
YIQ	35.0770, 10.2690, 6.6290

Conversions

Conversions Part 2

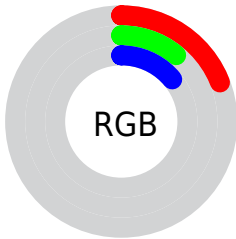
Format	Color
RYB	49, 28, 35
Decimal	3218467
CIELab	13.26, 11.58, -0.46
CIELCh	13, 11.589, 357.743
Yxy	1.6048, 0.3686, 0.2980
Android (android.graphics.Color)	4281408547 (0xFF311C23)
YUV	35.0770, -0.0380, 12.2105
Hunter-Lab	12.6682, 5.8037, 0.4656

Details

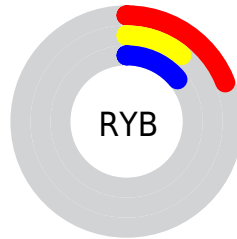
The Hex color **311C23** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1C312A**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **60484F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **311720**, and if you desaturate by 10%, it is **312126**.

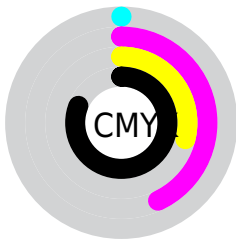
Distribution



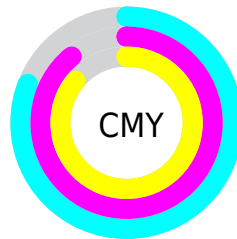
- Red (19%)
- Green (11%)
- Blue (14%)



- Red (19%)
- Yellow (11%)
- Blue (14%)



- Cyan (0%)
- Magenta (43%)
- Yellow (29%)
- Black (81%)



- Cyan (81%)
- Magenta (89%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Hex color 311C23 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 311C23 by changing the saturation by 10% instead.

■ 311C23

■ 311C23

FFFFFF

■ 1D030D

■ 60484F

■ 000000

■ 796067

■ 937880

■ AE929A

■ C9ADB5

■ E5C8D1

■ FFE4ED

■ 311C23

■ 311C23

■ 311720

■ 312126

■ 31121C

■ 31262A

■ 310D19

■ 312B2D

■ 310816

■ 313030

■ 310313

■ 313533

■ 310010

■ 313937

■ 313E3A

■ 31433D

■ 314840

Harmonies

Analogous

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



2C1D2B



311C23



321C1B

Triad

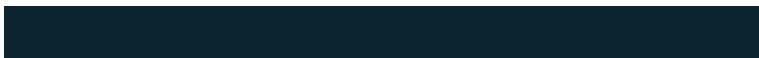
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



311C23



202414



0A252F

Complementary

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



311C23



1C312A

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.



062629



311C23



162619

Square

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



311C23



282112



0D2621



162332

Rectangle

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



311C23



301E17



0D2621



07262E

Sweetspot

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



311C23



40373A



2A1C31



211C1E



A1A1A1



212121

Same Dimension

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



311C23



401F2A



31201C



1A1718



59001E



D90048

Inverse Universe

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



311C23



401F2A



1C2E31



1A1718



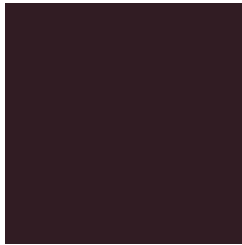
59001E



D90048

Previews

White Background



This preview shows how the Hex color 311C23 looks on a white background.

Color Contrast Check

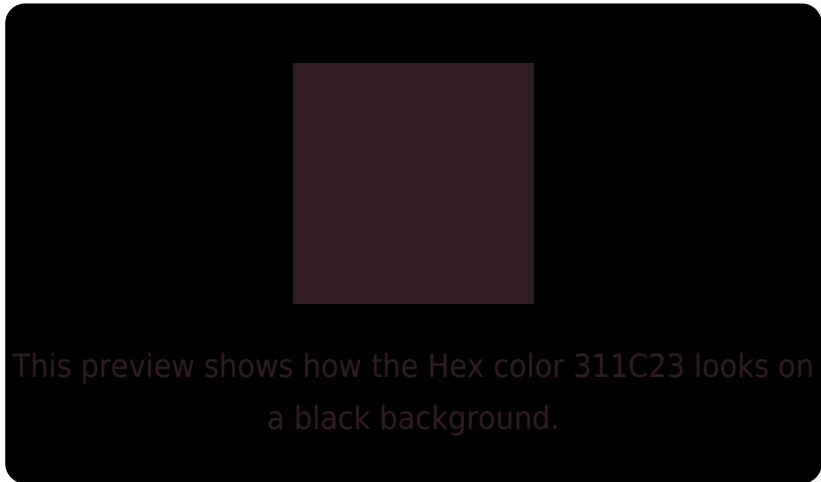
Large Text (above 18pt) WCAG AA ✓ Pass

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 311C23 Background



This preview shows how black text looks on a background with the Hex color 311C23.

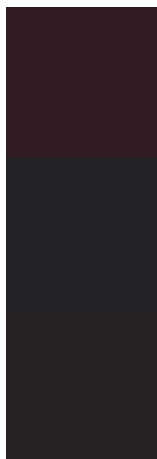


This preview shows how white text looks on a background with the Hex color 311C23.

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
311C23

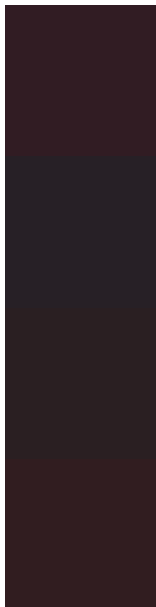
Protanopia
222227

Deuteranopia
262122



Tritanopia
311D1F

Trichromacy



Original Color

311C23

Protanomaly

272026

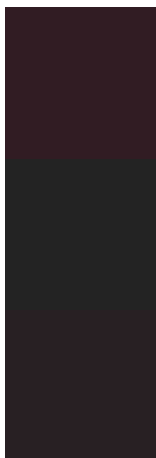
Deuteranomaly

2A1F22

Tritanomaly

311D20

Monochromacy



Original Color

311C23

Achromatopsia

232323

Achromatomaly

282023

CSS Examples

Text

The CSS property to change the color of the text to Hex 311C23 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 #311C23 looks like.

```
.text, #text, p{  
    color:#311C23  
}
```

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 #311C23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #311C23  
}
```

Border

The CSS property to change the border of an element to Hex 311C23 is called "border". The border property can be set on classes, ids or directly on the HTML element.

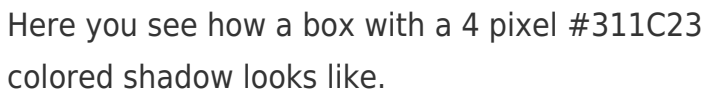
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#311C23 }
```

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

```
.border{ border-color:#311C23 }
```

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



Here you see how a box with a 4 pixel #311C23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #311C23; -webkit-box-shadow:4px 4px  
4px 4px #311C23; box-shadow:4px 4px 4px  
4px #311C23 }
```

Background

The CSS property to change the background color of an element to Hex 311C23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#311C23 }
```

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

```
.background{ background-color:#311C23 }
```

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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