

# Converting Colors

Hex(5B311D)

Have a look what the booklet for  
Hex(5B311D) contains.

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**Color**

**Hex(5B311D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B311D
RGB	91, 49, 29
RGB Percent	36%, 19%, 11%
CMY	0.6431, 0.8078, 0.8863
CMYK	0.00, 0.46, 0.68, 0.64
HSL	19°, 52%, 24%
HSV	19°, 68%, 36%
XYZ	5.6345, 4.5095, 1.7358
YIQ	59.2780, 31.4520, 2.6840

# Conversions

## Conversions Part 2

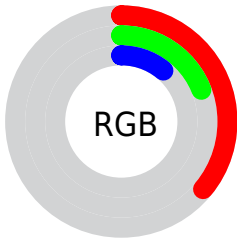
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 59, 29
Decimal	5976349
CIELab	25.29, 16.99, 20.85
CIElCh	25, 26.896, 50.829
Yxy	4.5095, 0.4743, 0.3796
Android (android.graphics.Color)	4284166429 (0xFF5B311D)
YUV	59.2780, -14.9271, 27.8202
Hunter-Lab	21.2355, 10.1996, 10.0184

# Details

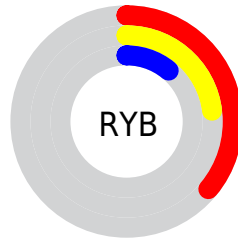
The Hex color **5B311D** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **1D475B**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **906049**, and **2A0500** is the 20% darker color. If you saturate the color by 10%, you get **5B2B14**, and if you desaturate by 10%, it is **5B3726**.

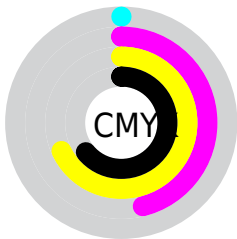
# Distribution



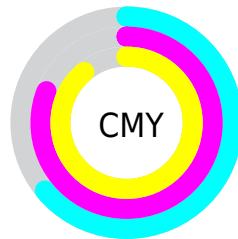
- Red (36%)
- Green (19%)
- Blue (11%)



- Red (36%)
- Yellow (23%)
- Blue (11%)



- Cyan (0%)
- Magenta (46%)
- Yellow (68%)
- Black (64%)



- Cyan (64%)
- Magenta (81%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B311D 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 5B311D by changing the saturation by 10% instead.



 5B311D

 5B311D

FFFFFF

 421B05

 906049

 2A0500

 AC7961

 000000

 C8937A

 E5AD94

 FFC9AF

 FFE5CA

 FFFF66

 5B311D

 5B311D

■ 5B2B14

■ 5B3726

■ 5B250B

■ 5B3D2F

■ 5B1F02

■ 5B4338

■ 5B1D00

■ 5B4A41

■ 5B504B

■ 5B5654

■ 5B5C5D

■ 5B6266

■ 5B686F

# Harmonies

## Analogous

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



622B2F



5B311D



4D3912

# Triad

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



5B311D



004635



333962

# Complementary

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



5B311D



1D475B

# 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.



004064



5B311D



00464A

# Square

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



5B311D



214321



00445B



4F3156

# Rectangle

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



5B311D



403D12



00445B



253C64



# Sweetspot

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



5B311D



75655E



5B1D47



3B312D



BABABA



3B3B3B



# Same Dimension

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



5B311D



753415



5B501D



2E2B29



6E2300



ED4D00



# Inverse Universe

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



1D475B



155675



1D285B



292C2E



004A6E



00A1ED



# Previews

## White Background



This preview shows how the Hex color 5B311D looks on a white background.

## Color Contrast Check

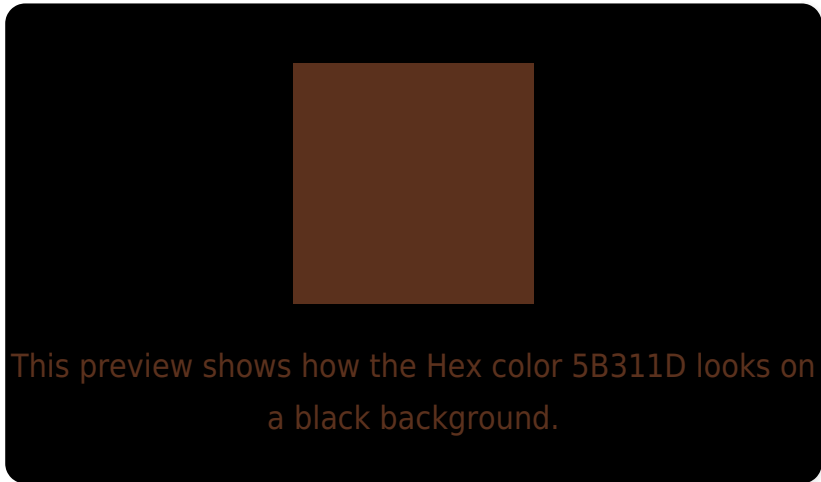
Large Text (above 18pt) WCAG AA ✓ Pass

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 5B311D Background



This preview shows how black text looks on a background with the Hex color 5B311D.

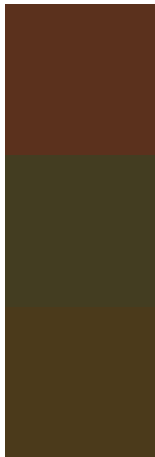


This preview shows how white text looks on a background with the Hex color 5B311D.

# 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**  
5B311D

**Protanopia**  
433D21

**Deuteranopia**  
4B3A1B



**Tritanopia**  
5C2F32

# Trichromacy



**Original Color**  
5B311D

**Protanomaly**  
4C3920

**Deuteranomaly**  
51371C

**Tritanomaly**  
5C302A

# Monochromacy



**Original Color**  
5B311D

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
473730

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B311D 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 #5B311D looks like.

```
.text, #text, p{  
    color:#5B311D  
}
```

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 #5B311D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B311D
}
```

## Border

The CSS property to change the border of an element to Hex 5B311D 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".

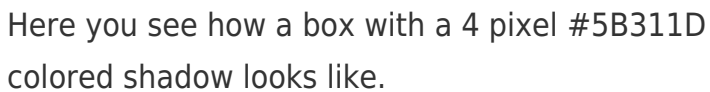
```
.border, #border, table{ border:4px solid
#5B311D }
```

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

```
.border{ border-color:#5B311D }
```

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

Here you see how a box with a 4 pixel #5B311D colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B311D; -webkit-box-shadow:4px 4px  
4px 4px #5B311D; box-shadow:4px 4px 4px  
4px #5B311D }
```

# Background

The CSS property to change the background color of an element to Hex 5B311D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B311D }
```

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

```
.background{ background-color:#5B311D }
```

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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