

# Converting Colors

Hex(38311F)

Have a look what the booklet for  
Hex(38311F) contains.

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# Color

Hex(38311F)

# Conversions

## Conversions Part 1

Format	Color
Hex	38311F
RGB	56, 49, 31
RGB Percent	22%, 19%, 12%
CMY	0.7804, 0.8078, 0.8784
CMYK	0.00, 0.13, 0.45, 0.78
HSL	43°, 29%, 17%
HSV	43°, 45%, 22%
XYZ	2.9765, 3.1363, 1.7448
YIQ	49.0410, 9.9500, -4.1140

# Conversions

## Conversions Part 2

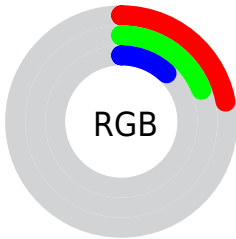
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 56, 31
Decimal	3682591
CIE Lab	20.58, -0.08, 12.65
CIE LCh	21, 12.649, 90.355
Yxy	3.1363, 0.3788, 0.3991
Android (android.graphics.Color)	4281872671 (0xFF38311F)
YUV	49.0410, -8.8942, 6.1030
Hunter-Lab	17.7096, -0.9907, 6.5553

# Details

The Hex color **38311F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1F2638**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **685F4B**, and **030200** is the 20% darker color. If you saturate the color by 10%, you get **382F19**, and if you desaturate by 10%, it is **383325**.

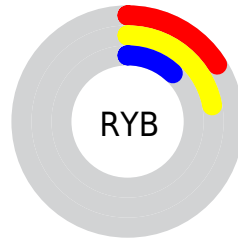
# Distribution



Red (22%)

Green (19%)

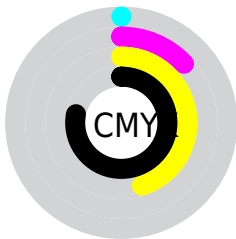
Blue (12%)



Red (16%)

Yellow (22%)

Blue (12%)

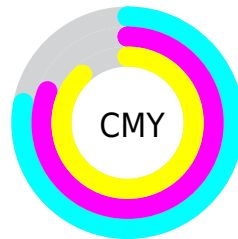


Cyan (0%)

Magenta (13%)

Yellow (45%)

Black (78%)



Cyan (78%)

Magenta (81%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 38311F 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 38311F by changing the saturation by 10% instead.





38311F



38311F

FFFFFF



231C08



685F4B



030200



817863



000000



9B917C



B6AC96



D2C7B0



EEE3CC



FFFFE8



38311F



38311F

■ 382F19

■ 383325

■ 382E14

■ 38342A

■ 382C0E

■ 383630

■ 382B09

■ 383735

■ 382903

■ 38393B

■ 382800

■ 383A41

■ 383C46

■ 383E4C

■ 383F51

# Harmonies

## Analogous

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



402E22



38311F



2E3421

# Triad

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



38311F



14363B



3E2C3B

# Complementary

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



38311F



1F2638

# 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.



332F42



38311F



193541

# Square

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



38311F



193731



263244



432B32

# Rectangle

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



38311F



273525



263244



3A2D3D



# Sweetspot

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



38311F



4A4740



381F26



262520



A6A6A6



262626



# Same Dimension

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



38311F



4A3F22



33381F



1C1B19



5C4200



DB9E00



# Inverse Universe

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



1F2638



222D4A



241F38



191A1C



001A5C

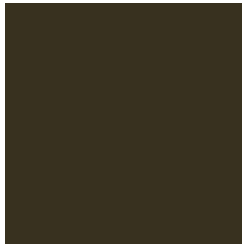


003DDB



# Previews

## White Background



This preview shows how the Hex color 38311F looks on a white background.

## Color Contrast Check

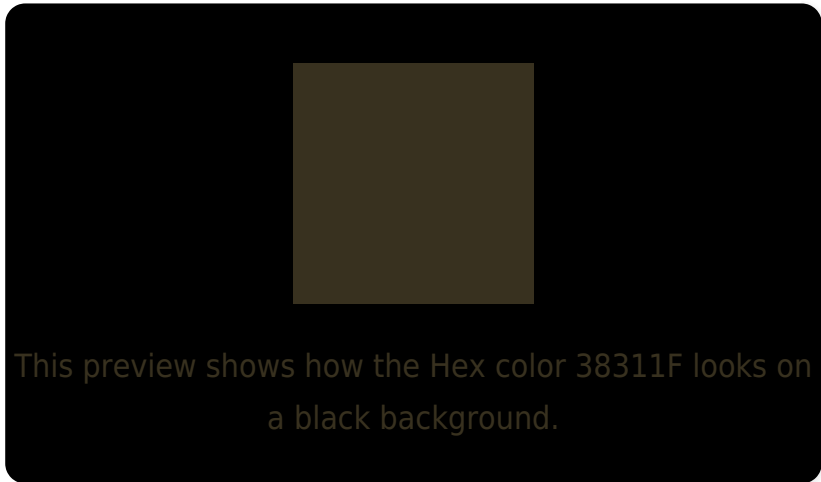
Large Text (above 18pt) WCAG AA ✓ Pass

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

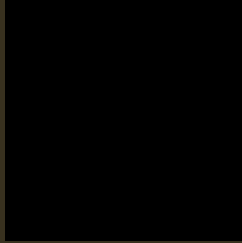
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 38311F Background



This preview shows how black text looks on a background with the Hex color 38311F.

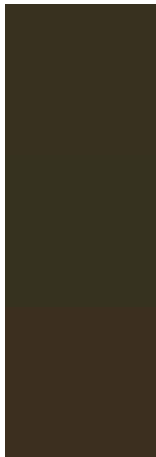


This preview shows how white text looks on a background with the Hex color 38311F.

# 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**  
38311F

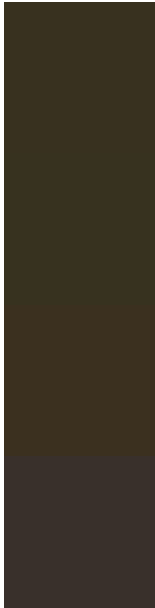
**Protanopia**  
36321F

**Deuteranopia**  
3C2F1F



**Tritanopia**  
3A2F32

# Trichromacy



**Original Color**  
38311F

**Protanomaly**  
37321F

**Deuteranomaly**  
3B301F

**Tritanomaly**  
39302B

# Monochromacy



**Original Color**  
38311F

**Achromatopsia**  
313131

**Achromatomaly**  
34312A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 38311F 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 #38311F looks like.

```
.text, #text, p{  
    color:#38311F  
}
```

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 #38311F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #38311F
}
```

## Border

The CSS property to change the border of an element to Hex 38311F is called "border". The border property can be set on classes, ids or directly on the HTML element.

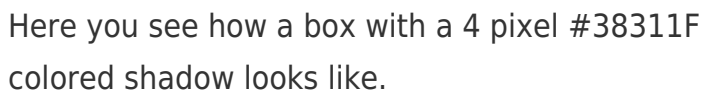
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#38311F }
```

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

```
.border{ border-color:#38311F }
```

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



Here you see how a box with a 4 pixel #38311F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #38311F; -webkit-box-shadow:4px 4px  
4px 4px #38311F; box-shadow:4px 4px 4px  
4px #38311F }
```

# Background

The CSS property to change the background color of an element to Hex 38311F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#38311F }
```

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

```
.background{ background-color:#38311F }
```

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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