

# Converting Colors

Hex(2D311D)

Have a look what the booklet for  
Hex(2D311D) contains.

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# Color

**Hex(2D311D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D311D
RGB	45, 49, 29
RGB Percent	18%, 19%, 11%
CMY	0.8235, 0.8078, 0.8863
CMYK	0.08, 0.00, 0.41, 0.81
HSL	72°, 26%, 15%
HSV	72°, 41%, 19%
XYZ	2.4023, 2.8432, 1.5846
YIQ	45.5240, 4.0360, -7.0680

# Conversions

## Conversions Part 2

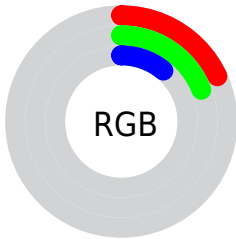
<b>Format</b>	<b>Color</b>
<b>RYB</b>	29, 49, 33
Decimal	2961693
CIELab	19.40, -5.87, 12.21
CIELCh	19, 13.552, 115.680
Yxy	2.8432, 0.3517, 0.4163
Android (android.graphics.Color)	4281151773 (0xFF2D311D)
YUV	45.5240, -8.1463, -0.4595
Hunter-Lab	16.8619, -4.0777, 6.2316

# Details

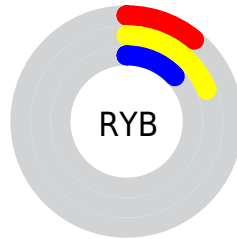
The Hex color **2D311D** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **211D31**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **5B5F49**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2C3118**, and if you desaturate by 10%, it is **2E3122**.

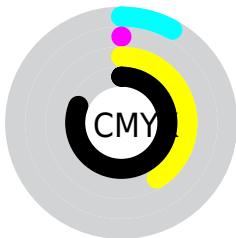
# Distribution



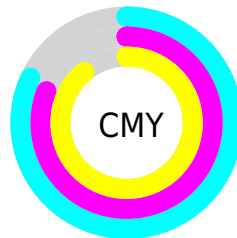
- Red (18%)
- Green (19%)
- Blue (11%)



- Red (11%)
- Yellow (19%)
- Blue (13%)



- Cyan (8%)
- Magenta (0%)
- Yellow (41%)
- Black (81%)



- Cyan (82%)
- Magenta (81%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D311D 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 2D311D by changing the saturation by 10% instead.



■ 2D311D

■ 2D311D

FFFFFF

■ 191C04

■ 5B5F49

■ 000000

■ 747861

■ 8D9179

■ A8AC93

■ C3C7AE

■ DFE3C9

■ FCFFE5

■ 2D311D

■ 2D311D

■ 2C3118

■ 2E3122

■ 2B3113

■ 2F3127

■ 2A310E

■ 30312C

■ 293109

■ 313131

■ 283104

■ 323136

■ 273100

■ 33313A

■ 34313F

■ 353144

■ 363149

# Harmonies

## Analogous

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



372E1B



2D311D



223324

# Triad

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



2D311D



11333F



412831

# Complementary

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



2D311D



211D31

# 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.



3A2A3A



2D311D



1F3042

# Square

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



2D311D



0D3437



2E2D41



422827

# Rectangle

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



2D311D



1A342A



2E2D41



3F2834



# Sweetspot

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



2D311D



3E4038



31211D



20211D



A1A1A1



212121



# Same Dimension

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



2D311D



3A4021



23311D



191A17



475900



ADD900



# Inverse Universe

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



211D31



272140



2B1D31



17171A



120059

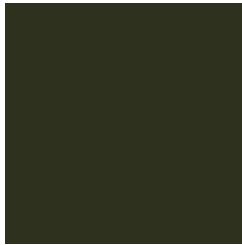


2B00D9



# Previews

## White Background



This preview shows how the Hex color 2D311D looks on a white background.

## Color Contrast Check

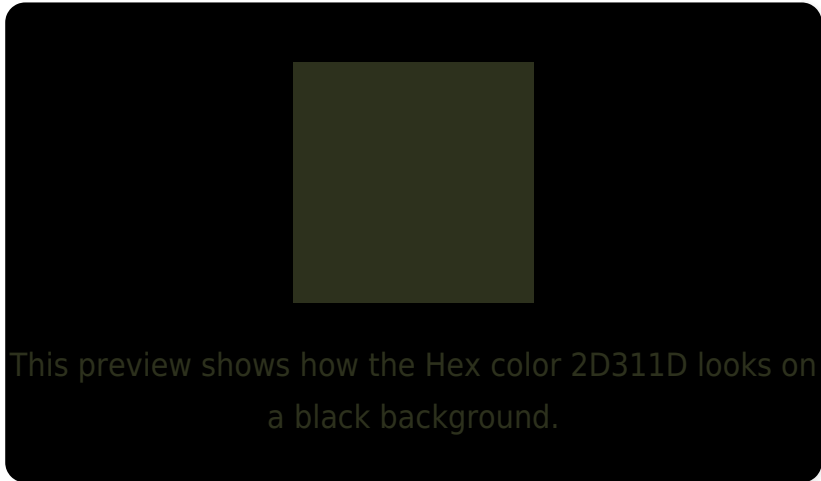
Large Text (above 18pt) WCAG AA ✓ Pass

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

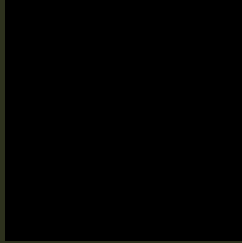
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

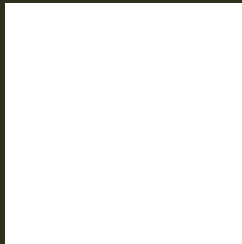
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D311D Background



This preview shows how black text looks on a background with the Hex color 2D311D.

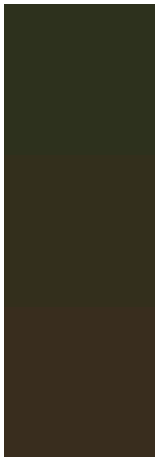


This preview shows how white text looks on a background with the Hex color 2D311D.

# 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**  
2D311D

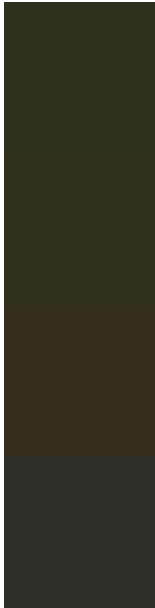
**Protanopia**  
332F1C

**Deuteranopia**  
392D1E



**Tritanopia**  
302E32

# Trichromacy



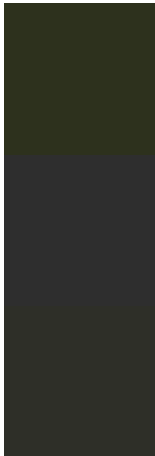
**Original Color**  
2D311D

**Protanomaly**  
31301C

**Deuteranomaly**  
352E1E

**Tritanomaly**  
2F2F2A

# Monochromacy



**Original Color**  
2D311D

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
2E2F28

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D311D 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 #2D311D looks like.

```
.text, #text, p{  
    color:#2D311D  
}
```

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 #2D311D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D311D
}
```

## Border

The CSS property to change the border of an element to Hex 2D311D 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
#2D311D }
```

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

```
.border{ border-color:#2D311D }
```

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

Here you see how a box with a 4 pixel #2D311D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D311D; -webkit-box-shadow:4px 4px  
4px 4px #2D311D; box-shadow:4px 4px 4px  
4px #2D311D }
```

# Background

The CSS property to change the background color of an element to Hex 2D311D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D311D }
```

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

```
.background{ background-color:#2D311D }
```

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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