

# Converting Colors

Hex(331D1C)

Have a look what the booklet for  
Hex(331D1C) contains.

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# Color

Hex(331D1C)

# Conversions

## Conversions Part 1

Format	Color
Hex	331D1C
RGB	51, 29, 28
RGB Percent	20%, 11%, 11%
CMY	0.8000, 0.8863, 0.8902
CMYK	0.00, 0.43, 0.45, 0.80
HSL	3°, 29%, 15%
HSV	3°, 45%, 20%
XYZ	2.0142, 1.6664, 1.3141
YIQ	35.4640, 13.4330, 4.3530

# Conversions

## Conversions Part 2

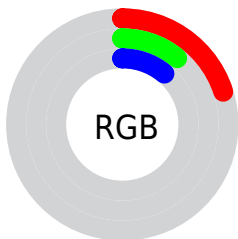
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 29, 28
Decimal	3349788
CIE <sub>Lab</sub>	13.63, 10.65, 5.21
CIE <sub>LCh</sub>	14, 11.859, 26.053
Yxy	1.6664, 0.4033, 0.3336
Android (android.graphics.Color)	4281539868 (0xFF331D1C)
YUV	35.4640, -3.6798, 13.6251
Hunter-Lab	12.9088, 5.2615, 3.0006

# Details


The Hex color **331D1C** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1C3233**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **634947**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **331817**, and if you desaturate by 10%, it is **332221**.

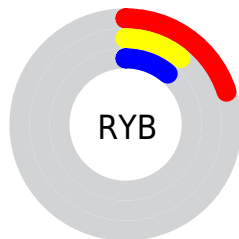
# Distribution




 Red (20%)

 Green (11%)

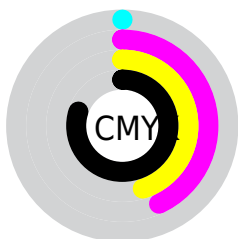
 Blue (11%)




 Red (20%)

 Yellow (11%)

 Blue (11%)

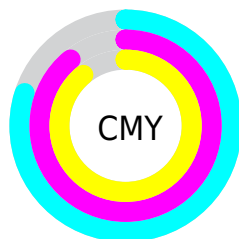



 Cyan (0%)


 Magenta (43%)

 Yellow (45%)

 Black (80%)



 Cyan (80%)

 Magenta (89%)

 Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 331D1C 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 331D1C by changing the saturation by 10% instead.



■ 331D1C

■ 331D1C

FFFFFF

■ 200401

■ 634947

■ 000000

■ 7C615F

■ 967A78

■ B19391

■ CCAEAC

■ E9C9C7

■ FFE5E3

■ 331D1C

■ 331D1C

■ 331817

■ 332221

■ 331312

■ 332726

■ 330E0D

■ 332C2B

■ 330908

■ 333130

■ 330503

■ 333536

■ 330200

■ 333A3B

■ 333F40

■ 334445

■ 33494A

# Harmonies

## Analogous

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



321D24



331D1C



301F15

# Triad

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



331D1C



172619



162433

# Complementary

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



331D1C



1C3233

# 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.



092630



331D1C



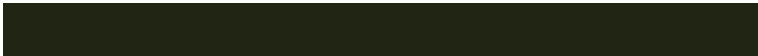
0D2721

# Square

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



331D1C



212514



06272A



222132

# Rectangle

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



331D1C



2C2113



06272A



112533



# Sweetspot

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



331D1C



423939



331C32



211C1C



A1A1A1



212121



# Same Dimension

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



331D1C



42201E



33281C



1A1717



590400



D90900



# Inverse Universe

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



1C3233



1E4142



1C2733



17191A



005559

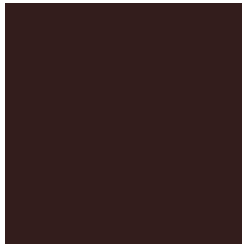


00CFD9



# Previews

## White Background



This preview shows how the Hex color 331D1C looks on a white background.

## Color Contrast Check

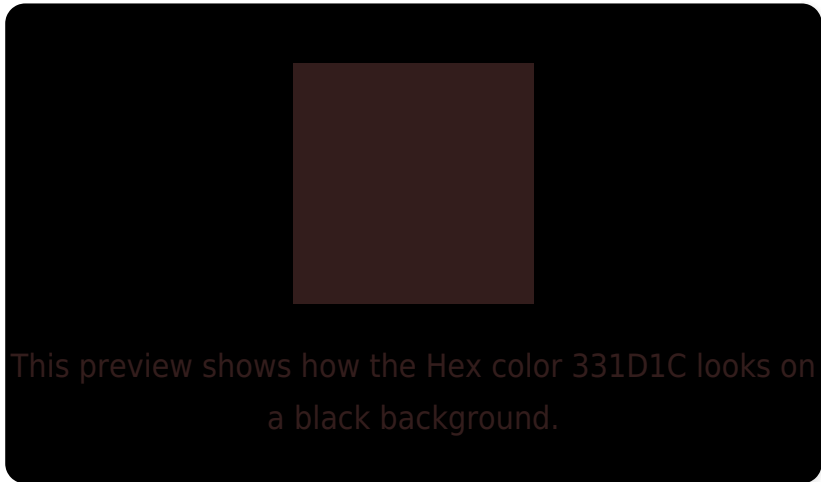
Large Text (above 18pt) WCAG AA ✓ Pass

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 331D1C Background



This preview shows how black text looks on a background with the Hex color 331D1C.



This preview shows how white text looks on a background with the Hex color 331D1C.

# 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](#).

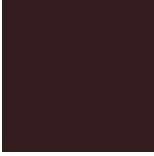
## Dichromacy



**Original Color**  
331D1C

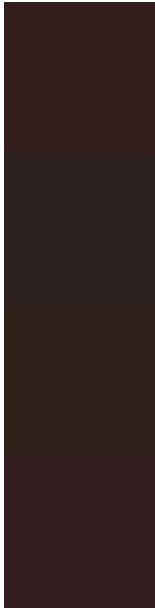
**Protanopia**  
25231F

**Deuteranopia**  
29221B



**Tritanopia**  
331D1F

# Trichromacy



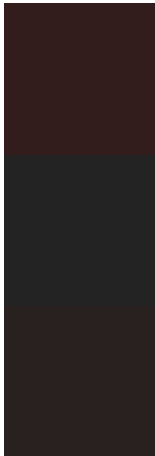
**Original Color**  
331D1C

**Protanomaly**  
2A211E

**Deuteranomaly**  
2D201B

**Tritanomaly**  
331D1E

# Monochromacy



**Original Color**  
331D1C

**Achromatopsia**  
232323

**Achromatomaly**  
292120

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 331D1C 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 #331D1C looks like.

```
.text, #text, p{  
    color:#331D1C  
}
```

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 #331D1C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #331D1C
}
```

## Border

The CSS property to change the border of an element to Hex 331D1C is called "border". The border property can be set on classes, ids or directly on the HTML element.

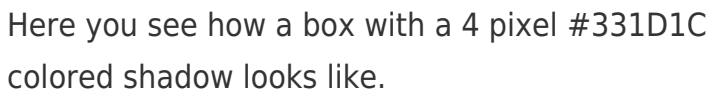
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#331D1C }
```

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

```
.border{ border-color:#331D1C }
```

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

A rectangular box with a dark blue shadow. The box is white with a thin black border. The shadow is a dark blue color, matching the #331D1C color mentioned in the text. The shadow is applied to the bottom and right sides of the box, creating a 3D effect.

Here you see how a box with a 4 pixel #331D1C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #331D1C; -webkit-box-shadow:4px 4px  
4px 4px #331D1C; box-shadow:4px 4px 4px  
4px #331D1C }
```

# Background

The CSS property to change the background color of an element to Hex 331D1C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#331D1C }
```

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

```
.background{ background-color:#331D1C }
```

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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