

# Converting Colors

Hex(31330C)

Have a look what the booklet for  
Hex(31330C) contains.

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**Color**

**Hex(31330C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	31330C
RGB	49, 51, 12
RGB Percent	19%, 20%, 5%
CMY	0.8078, 0.8000, 0.9529
CMYK	0.04, 0.00, 0.76, 0.80
HSL	63°, 62%, 12%
HSV	63°, 76%, 20%
XYZ	2.5168, 3.0472, 0.8033
YIQ	45.9560, 11.3270, -12.5530

# Conversions

## Conversions Part 2

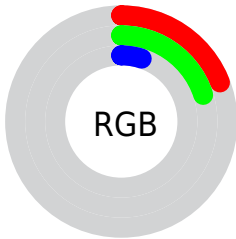
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 51, 14
Decimal	3224332
CIE Lab	20.23, -7.14, 23.39
CIE LCh	20, 24.458, 106.977
Yxy	3.0472, 0.3953, 0.4786
Android (android.graphics.Color)	4281414412 (0xFF31330C)
YUV	45.9560, -16.7403, 2.6696
Hunter-Lab	17.4561, -4.8123, 9.4907

# Details

The Hex color **31330C** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0E0C33**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **616138**, and **000200** is the 20% darker color. If you saturate the color by 10%, you get **313307**, and if you desaturate by 10%, it is **313311**.

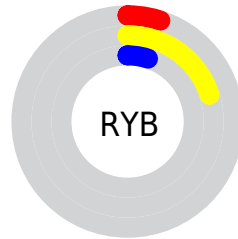
# Distribution



Red (19%)

Green (20%)

Blue (5%)



Red (5%)

Yellow (20%)

Blue (5%)

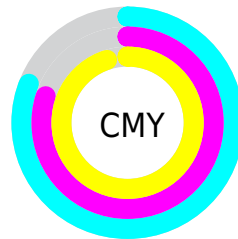


Cyan (4%)

Magenta (0%)

Yellow (76%)

Black (80%)



Cyan (81%)

Magenta (80%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 31330C 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 31330C by changing the saturation by 10% instead.



 31330C

 31330C

 FFFFEE

 1C1E00

 616138

 000200

 7A7A4F

 000000


 949468


 AFAE81

 CBCA9B

 E7E6B6

 FFFFD2

 31330C

 31330C

■ 313307

■ 313311

■ 303302

■ 323316

■ 303300

■ 32331B

■ 323320

■ 323325

■ 33332B

■ 333330

■ 333335

■ 33333A

# Harmonies

## Analogous

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



412D0C



31330C



1C3717

# Triad

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



31330C



00384B



4E2239

# Complementary

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



31330C



0E0C33

# 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.



3F2849



31330C



003554

# Square

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



31330C



003A3B



242F53



522127

# Rectangle

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



31330C



063922



242F53



4A243F



# Sweetspot

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



31330C



424233



330E0C



212118



A1A1A1



212121



# Same Dimension

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



31330C



3F4205



1E330C



191A17



555900



CED900



# Inverse Universe

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



0E0C33



080542



210C33



17171A



050059



0B00D9



# Previews

## White Background



This preview shows how the Hex color 31330C looks on a white background.

## Color Contrast Check

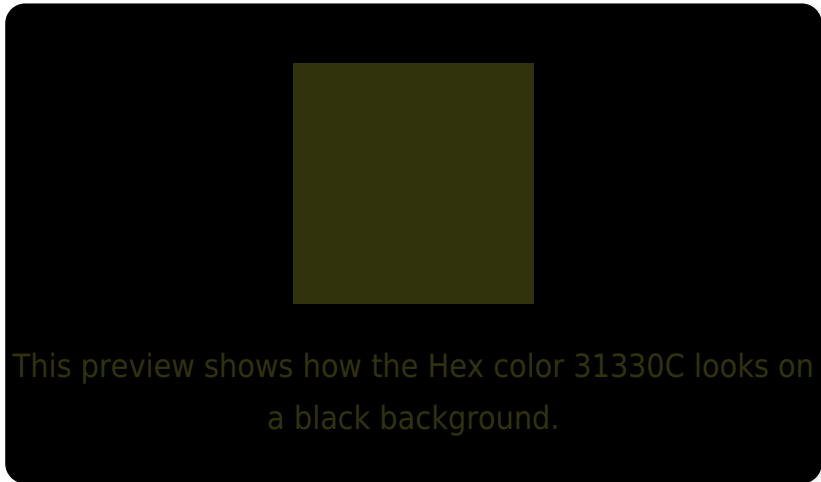
Large Text (above 18pt) WCAG AA ✓ Pass

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

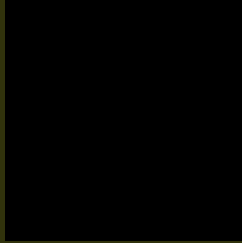
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31330C Background



This preview shows how black text looks on a background with the Hex color 31330C.

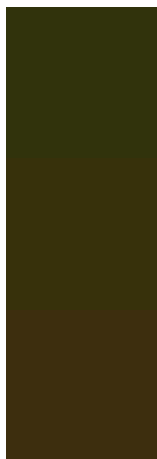


This preview shows how white text looks on a background with the Hex color 31330C.

# 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**  
31330C

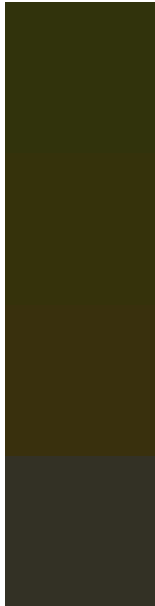
**Protanopia**  
37310B

**Deuteranopia**  
3D2E0E



**Tritanopia**  
343033

# Trichromacy



**Original Color**  
31330C

**Protanomaly**  
35320B

**Deuteranomaly**  
39300D

**Tritanomaly**  
333125

# Monochromacy



**Original Color**  
31330C

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
2F3022

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31330C 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 #31330C looks like.

```
.text, #text, p{  
    color:#31330C  
}
```

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 #31330C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31330C
}
```

## Border

The CSS property to change the border of an element to Hex 31330C is called "border". The border property can be set on classes, ids or directly on the HTML element.

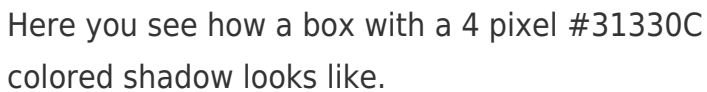
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#31330C }
```

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

```
.border{ border-color:#31330C }
```

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



Here you see how a box with a 4 pixel #31330C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31330C; -webkit-box-shadow:4px 4px  
4px 4px #31330C; box-shadow:4px 4px 4px  
4px #31330C }
```

# Background

The CSS property to change the background color of an element to Hex 31330C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31330C }
```

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

```
.background{ background-color:#31330C }
```

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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