

# Converting Colors

Hex(00331C)

Have a look what the booklet for  
Hex(00331C) contains.

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# Color

Hex(00331C)

# Conversions

## Conversions Part 1

Format	Color
Hex	00331C
RGB	0, 51, 28
RGB Percent	0%, 20%, 11%
CMY	1.0000, 0.8000, 0.8902
CMYK	1.00, 0.00, 0.45, 0.80
HSL	153°, 100%, 10%
HSV	153°, 100%, 20%
XYZ	1.3934, 2.4515, 1.4984
YIQ	33.1290, -23.0130, -17.9650

# Conversions

## Conversions Part 2

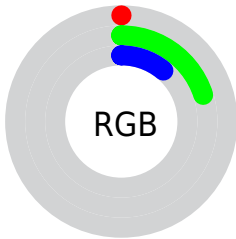
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 33, 51
Decimal	13084
CIELab	17.70, -22.88, 10.17
CIELCh	18, 25.036, 156.026
Yxy	2.4515, 0.2608, 0.4588
Android (android.graphics.Color)	4278203164 (0xFF00331C)
YUV	33.1290, -2.5286, -29.0541
Hunter-Lab	15.6572, -11.5144, 5.2862

# Details

The Hex color **00331C** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **330017**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **336248**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **00331C**, and if you desaturate by 10%, it is **05331E**.

# Distribution



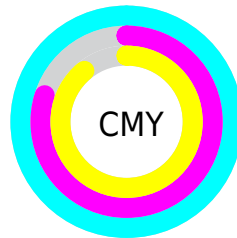
- Red (0%)
- Green (20%)
- Blue (11%)



- Red (0%)
- Yellow (13%)
- Blue (20%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (80%)



- Cyan (100%)
- Magenta (80%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00331C 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 00331C by changing the saturation by 10% instead.



 00331C

 00331C

 ECFFFF

 001F02

 336248

 000000

 4B7B5F

 649578

 7EB092

 99CCAC

 B4E8C8

 D0FFE4

 00331C

■ 05331E

■ 0A3321

■ 0F3323

■ 143325

■ 1A3328

■ 1F332A

■ 24332C

■ 29332E

■ 2E3331

# Harmonies

## Analogous

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



1F300C



00331C



00342F

# Triad

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



00331C



0B2C4F



4A1E17

# Complementary

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



00331C



330017

# 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.



4C1B28



00331C



312549

# Square

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



00331C



00314C



441E3A



412507

# Rectangle

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



00331C



00343B



441E3A



4C1C1D



# Sweetspot

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



00331C



2E4239



183300



15211C



A1A1A1



212121



# Same Dimension

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



00331C



004224



003133



171A18



005931



00D977



# Inverse Universe

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



330017



42001E



330200



1A1718



590028

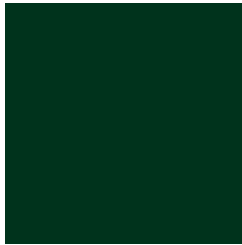


D90062



# Previews

## White Background



This preview shows how the Hex color 00331C looks on a white background.

## Color Contrast Check

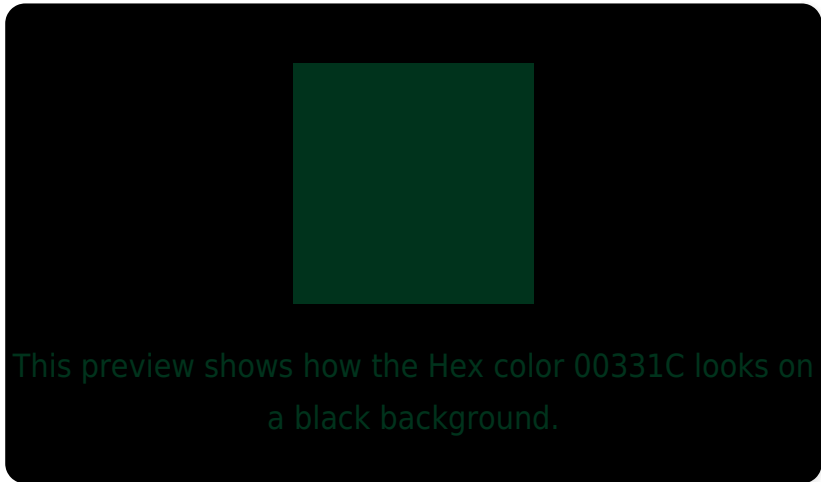
Large Text (above 18pt) WCAG AA ✓ Pass

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 00331C Background



This preview shows how black text looks on a background with the Hex color 00331C.

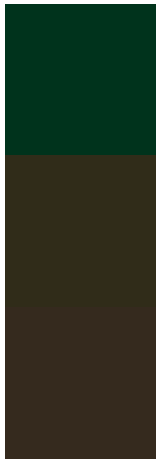


This preview shows how white text looks on a background with the Hex color 00331C.

# 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](#).

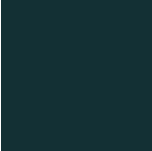
## Dichromacy



**Original Color**  
00331C

**Protanopia**  
302C19

**Deuteranopia**  
352A1E



**Tritanopia**  
133034

# Trichromacy



**Original Color**  
00331C

**Protanomaly**  
1F2F1A

**Deuteranomaly**  
222D1D

**Tritanomaly**  
0C312B

# Monochromacy



**Original Color**  
00331C

**Achromatopsia**  
212121

**Achromatomaly**  
15281F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00331C 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 #00331C looks like.

```
.text, #text, p{  
    color:#00331C  
}
```

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 #00331C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00331C
}
```

## Border

The CSS property to change the border of an element to Hex 00331C 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
#00331C }
```

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

```
.border{ border-color:#00331C }
```

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

Here you see how a box with a 4 pixel #00331C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00331C; -webkit-box-shadow:4px 4px  
4px 4px #00331C; box-shadow:4px 4px 4px  
4px #00331C }
```

# Background

The CSS property to change the background color of an element to Hex 00331C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00331C }
```

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

```
.background{ background-color:#00331C }
```

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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