

# Converting Colors

Hex(03311E)

Have a look what the booklet for  
Hex(03311E) contains.

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# Color

**Hex(03311E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	03311E
RGB	3, 49, 30
RGB Percent	1%, 19%, 12%
CMY	0.9882, 0.8078, 0.8824
CMYK	0.94, 0.00, 0.39, 0.81
HSL	155°, 88%, 10%
HSV	155°, 94%, 19%
XYZ	1.3702, 2.3097, 1.6019
YIQ	33.0800, -21.3170, -15.6610

# Conversions

## Conversions Part 2

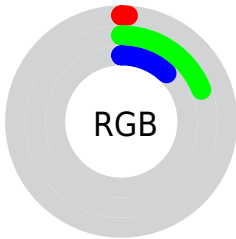
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	3, 32, 49
Decimal	209182
CIE Lab	17.04, -20.70, 7.95
CIE LCh	17, 22.178, 158.992
Yxy	2.3097, 0.2594, 0.4373
Android (android.graphics.Color)	4278399262 (0xFF03311E)
YUV	33.0800, -1.5184, -26.3802
Hunter-Lab	15.1978, -10.5028, 4.3891

# Details

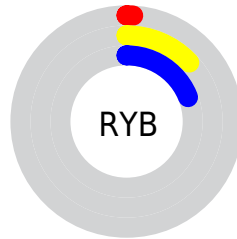
The Hex color **03311E** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **310316**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **35604A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **00311D**, and if you desaturate by 10%, it is **083120**.

# Distribution



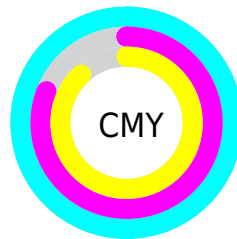
- Red (1%)
- Green (19%)
- Blue (12%)



- Red (1%)
- Yellow (13%)
- Blue (19%)



- Cyan (94%)
- Magenta (0%)
- Yellow (39%)
- Black (81%)




- Cyan (99%)
- Magenta (81%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 03311E 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 03311E by changing the saturation by 10% instead.



 03311E

 03311E

 EDFFFF

 001D05

 35604A

 000000

 4D7962

 66937A

 7FAD94

 9AC9AF

 B5E5CA

 D1FFE6

 03311E

 03311E

■ 00311D

■ 083120

■ 0D3122

■ 123124

■ 173126

■ 1C3128

■ 20312A

■ 25312C

■ 2A312E

■ 2F3130

# Harmonies

## Analogous

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



1D2F10



03311E



00322E

# Triad

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



03311E



152A49



451F17

# Complementary

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



03311E



310316

# 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.



471C26



03311E



312443

# Square

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



03311E



002F47



411E36



3C250A

# Rectangle

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



03311E



003239



411E36



471E1B



# Sweetspot

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



03311E



2E4038



163103



16211C



A1A1A1



212121



# Same Dimension

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



03311E



004025



032D31



171A18



005934



00D97F



# Inverse Universe

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



310316



40001A



310703



1A1718



590025

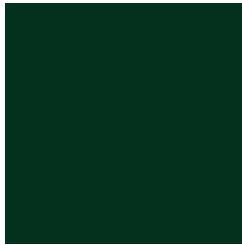


D9005A



# Previews

## White Background



This preview shows how the Hex color 03311E looks on a white background.

## Color Contrast Check

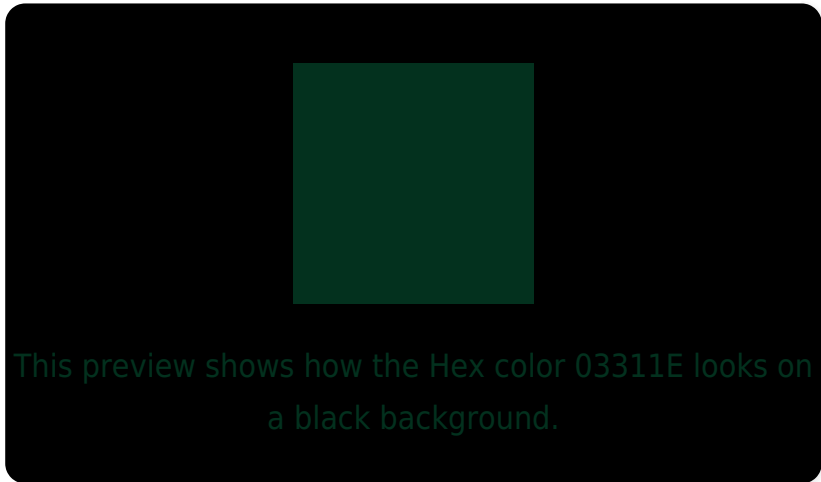
Large Text (above 18pt) WCAG AA ✓ Pass

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

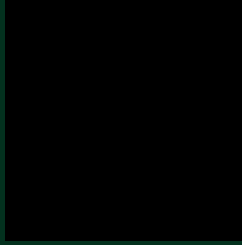
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 03311E Background



This preview shows how black text looks on a background with the Hex color 03311E.



This preview shows how white text looks on a background with the Hex color 03311E.

# 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**  
03311E

**Protanopia**  
2E2A1B

**Deuteranopia**  
322920



**Tritanopia**  
122F32

# Trichromacy



**Original Color**  
03311E

**Protanomaly**  
1E2D1C

**Deuteranomaly**  
212C1F

**Tritanomaly**  
0D302B

# Monochromacy



**Original Color**  
03311E

**Achromatopsia**  
212121

**Achromatomaly**  
162720

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 03311E 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 #03311E looks like.

```
.text, #text, p{  
    color:#03311E  
}
```

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 #03311E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #03311E
}
```

## Border

The CSS property to change the border of an element to Hex 03311E 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".

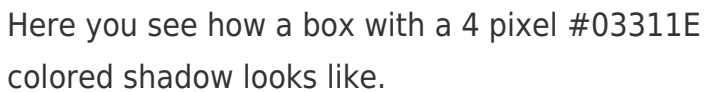
```
.border, #border, table{ border:4px solid
#03311E }
```

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

```
.border{ border-color:#03311E }
```

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

Here you see how a box with a 4 pixel #03311E colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #03311E; -webkit-box-shadow:4px 4px  
4px 4px #03311E; box-shadow:4px 4px 4px  
4px #03311E }
```

# Background

The CSS property to change the background color of an element to Hex 03311E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#03311E }
```

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

```
.background{ background-color:#03311E }
```

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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