

# Converting Colors

Hex(311414)

Have a look what the booklet for  
Hex(311414) contains.

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# Color

**Hex(311414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	311414
RGB	49, 20, 20
RGB Percent	19%, 8%, 8%
CMY	0.8078, 0.9216, 0.9216
CMYK	0.00, 0.59, 0.59, 0.81
HSL	0°, 42%, 14%
HSV	0°, 59%, 19%
XYZ	1.6430, 1.2038, 0.8076
YIQ	28.6710, 17.2840, 6.1480

# Conversions

## Conversions Part 2

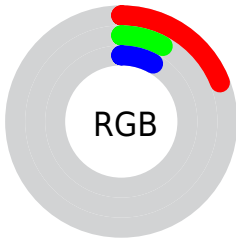
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 20, 20
Decimal	3216404
CIE Lab	10.59, 14.69, 6.70
CIE LCh	11, 16.146, 24.514
Yxy	1.2038, 0.4496, 0.3294
Android (android.graphics.Color)	4281406484 (0xFF311414)
YUV	28.6710, -4.2748, 17.8285
Hunter-Lab	10.9717, 7.5304, 3.3161

# Details

The Hex color **311414** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **143131**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **613F3E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **310F0F**, and if you desaturate by 10%, it is **311919**.

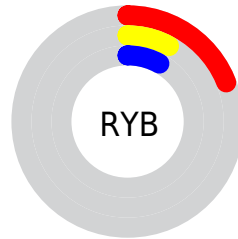
# Distribution



Red (19%)

Green (8%)

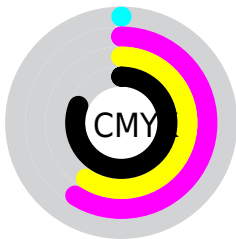
Blue (8%)



Red (19%)

Yellow (8%)

Blue (8%)

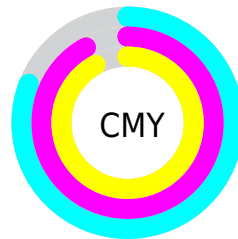


Cyan (0%)

Magenta (59%)

Yellow (59%)

Black (81%)



Cyan (81%)

Magenta (92%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 311414 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 311414 by changing the saturation by 10% instead.





311414



311414



FFF7F4



1D0000



613F3E



000000



7B5755



956F6E



B08987



CCA3A1



E8BEBC



FFDAD8



311414



311414

■ 310F0F

■ 311919

■ 310A0A

■ 311E1E

■ 310505

■ 312323

■ 310000

■ 312828

■ 312D2D

■ 313131

■ 313636

■ 313B3B

■ 314040

# Harmonies

## Analogous

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



30131F



311414



2D1707

# Triad

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



311414



0D210E



031E32

# Complementary

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



311414



143131

# 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.



00212E



311414



00221A

# Square

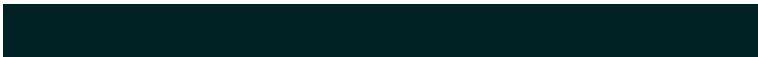
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



311414



1B1F02



002225



1A1B31

# Rectangle

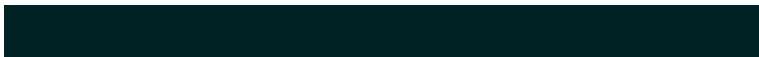
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



311414



291A01



002225



001F32



# Sweetspot

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



311414



403434



311431



211A1A



A1A1A1



212121



# Same Dimension

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



311414



401212



312314



1A1717



590000



D90000



# Inverse Universe

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



143131



124040



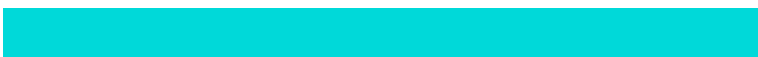
142331



171A1A



005959

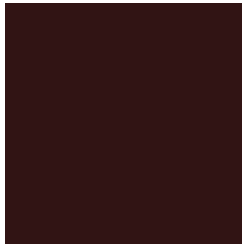


00D9D9



# Previews

## White Background



This preview shows how the Hex color 311414 looks on a white background.

## Color Contrast Check

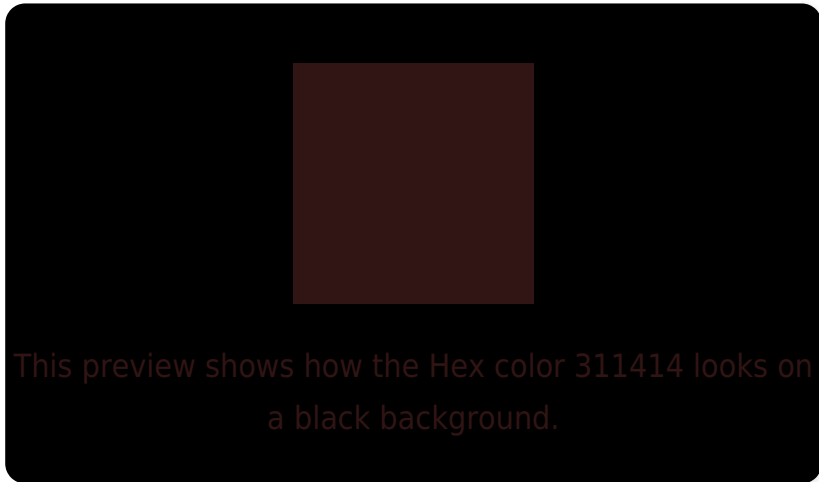
Large Text (above 18pt) WCAG AA ✓ Pass

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 311414 Background



This preview shows how black text looks on a background with the Hex color 311414.

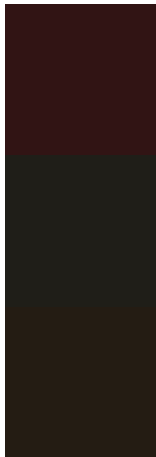


This preview shows how white text looks on a background with the Hex color 311414.

# 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](#).

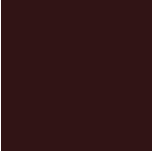
## Dichromacy



**Original Color**  
311414

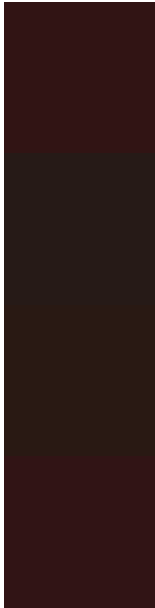
**Protanopia**  
1F1E18

**Deuteranopia**  
241C13



**Tritanopia**  
311415

# Trichromacy



**Original Color**

311414

**Protanomaly**

261A17

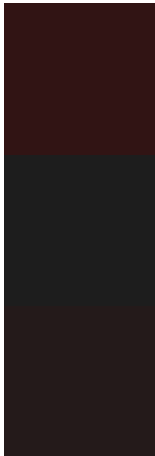
**Deuteranomaly**

291913

**Tritanomaly**

311415

# Monochromacy



**Original Color**

311414

**Achromatopsia**

1D1D1D

**Achromatomaly**

241A1A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 311414 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 #311414 looks like.

```
.text, #text, p{  
    color:#311414  
}
```

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 #311414 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #311414
}
```

## Border

The CSS property to change the border of an element to Hex 311414 is called "border". The border property can be set on classes, ids or directly on the HTML element.

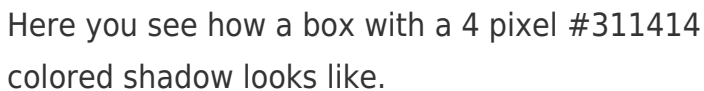
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#311414 }
```

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

```
.border{ border-color:#311414 }
```

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



Here you see how a box with a 4 pixel #311414 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #311414; -webkit-box-shadow:4px 4px  
4px 4px #311414; box-shadow:4px 4px 4px  
4px #311414 }
```

# Background

The CSS property to change the background color of an element to Hex 311414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#311414 }
```

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

```
.background{ background-color:#311414 }
```

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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