

# Converting Colors

Hex(3B1316)

Have a look what the booklet for  
Hex(3B1316) contains.

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**Color**

**Hex(3B1316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B1316
RGB	59, 19, 22
RGB Percent	23%, 7%, 9%
CMY	0.7686, 0.9255, 0.9137
CMYK	0.00, 0.68, 0.63, 0.77
HSL	356°, 51%, 15%
HSV	356°, 68%, 23%
XYZ	2.1813, 1.4535, 0.9246
YIQ	31.3020, 22.8770, 9.4130

# Conversions

## Conversions Part 2

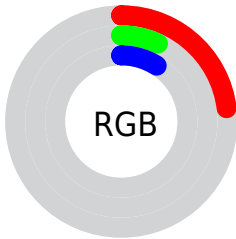
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 19, 22
Decimal	3871510
CIE <sub>Lab</sub>	12.31, 20.07, 8.00
CIE <sub>LCh</sub>	12, 21.603, 21.728
Yxy	1.4535, 0.4784, 0.3188
Android (android.graphics.Color)	4282061590 (0xFF3B1316)
YUV	31.3020, -4.5859, 24.2911
Hunter-Lab	12.0560, 11.1983, 3.8920

# Details

The Hex color **3B1316** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **133B38**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **6D3F40**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **3B0D11**, and if you desaturate by 10%, it is **3B191B**.

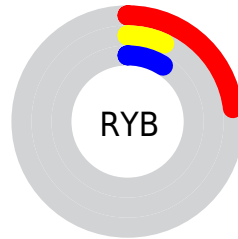
# Distribution



 Red (23%)

 Green (7%)

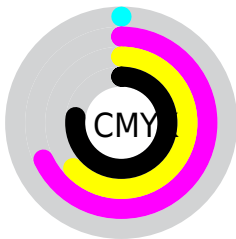
 Blue (9%)




 Red (23%)

 Yellow (7%)

 Blue (9%)

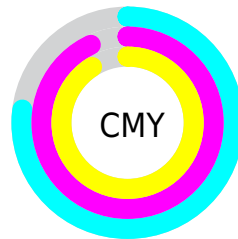


 Cyan (0%)


 Magenta (68%)

 Yellow (63%)

 Black (77%)



 Cyan (77%)

 Magenta (93%)

 Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B1316 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 3B1316 by changing the saturation by 10% instead.



 3B1316

 3B1316

 FFF8F7

 260000

 6D3F40

 000000

 875758

 A27070

 BE8989

 DAA4A4

 F7BFBF

 FFDBDA

 3B1316

 3B1316

■ 3B0D11

■ 3B191B

■ 3B070B

■ 3B1F21

■ 3B0106

■ 3B2526

■ 3B0004

■ 3B2B2C

■ 3B3131

■ 3B3637

■ 3B3C3C

■ 3B4242

■ 3B4847

# Harmonies

## Analogous

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



391325



3B1316



361804

# Triad

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



3B1316



0B260B



00233E

# Complementary

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



3B1316



133B38

# 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.



002637



3B1316



00271B

# Square

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



3B1316



1F2200



00272B



191E3C

# Rectangle

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



3B1316



301C00



00272B



00243C



# Sweetspot

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



3B1316



4D3D3E



38133B



261D1E



A6A6A6



262626



# Same Dimension

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



3B1316



4D0F13



3B2413



1F1C1C



5E0007



DE0011



# Inverse Universe

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



3B1316



4D0F13



132A3B



1F1C1C



5E0007

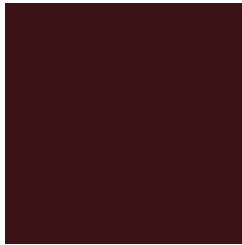


DE0011



# Previews

## White Background



This preview shows how the Hex color 3B1316 looks on a white background.

## Color Contrast Check

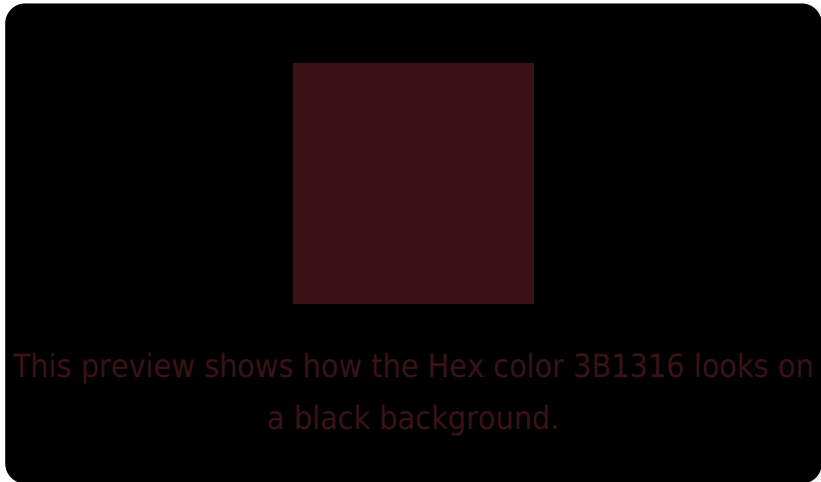
Large Text (above 18pt) WCAG AA ✓ Pass

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

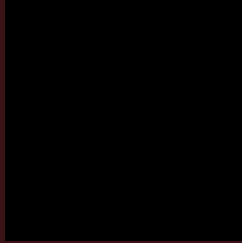
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B1316 Background



This preview shows how black text looks on a background with the Hex color 3B1316.



This preview shows how white text looks on a background with the Hex color 3B1316.

# 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](#).

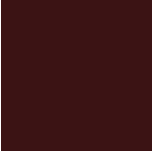
## Dichromacy



**Original Color**  
3B1316

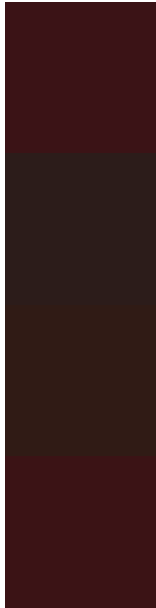
**Protanopia**  
23211C

**Deuteranopia**  
292014



**Tritanopia**  
3B1314

# Trichromacy



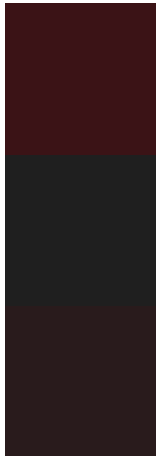
**Original Color**  
3B1316

**Protanomaly**  
2C1C1A

**Deuteranomaly**  
301B15

**Tritanomaly**  
3B1315

# Monochromacy



**Original Color**  
3B1316

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
291B1C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B1316 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 #3B1316 looks like.

```
.text, #text, p{  
    color:#3B1316  
}
```

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 #3B1316 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B1316
}
```

## Border

The CSS property to change the border of an element to Hex 3B1316 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".

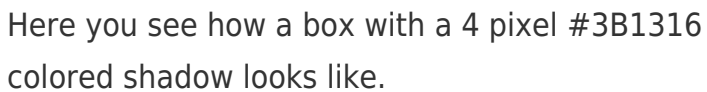
```
.border, #border, table{ border:4px solid
#3B1316 }
```

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

```
.border{ border-color:#3B1316 }
```

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

Here you see how a box with a 4 pixel #3B1316 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #3B1316 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B1316; -webkit-box-shadow:4px 4px  
4px 4px #3B1316; box-shadow:4px 4px 4px  
4px #3B1316 }
```

# Background

The CSS property to change the background color of an element to Hex 3B1316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B1316 }
```

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

```
.background{ background-color:#3B1316 }
```

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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