

# Converting Colors

Hex(161716)

Have a look what the booklet for  
Hex(161716) contains.

<b>Hex(161716)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**Hex(161716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	161716
RGB	22, 23, 22
RGB Percent	9%, 9%, 9%
CMY	0.9137, 0.9098, 0.9137
CMYK	0.04, 0.00, 0.04, 0.91
HSL	120°, 2%, 9%
HSV	120°, 4%, 9%
XYZ	0.7821, 0.8413, 0.8802
YIQ	22.5870, -0.2750, -0.5230

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	22, 23, 23
Decimal	1447702
CIE Lab	7.60, -0.72, 0.51
CIE LCh	8, 0.882, 144.509
Yxy	0.8413, 0.3124, 0.3360
Android (android.graphics.Color)	4279637782 (0xFF161716)
YUV	22.5870, -0.2894, -0.5148
Hunter-Lab	9.1722, -0.8311, 0.7307

# Details

The Hex color **161716** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **171617**, and the grayscale version is **171717**.

A 20% lighter version of the original color is **404140**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **141714**, and if you desaturate by 10%, it is **181718**.

# Distribution



 Red (9%)

 Green (9%)

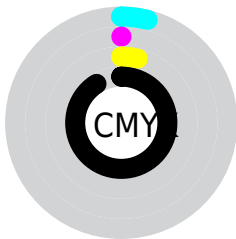
 Blue (9%)




 Red (9%)

 Yellow (9%)

 Blue (9%)



 Cyan (4%)

 Magenta (0%)

 Yellow (4%)

 Black (91%)



 Cyan (91%)

 Magenta (91%)

 Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 161716 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 161716 by changing the saturation by 10% instead.



■ 161716

■ 161716

■ F7F8F7

■ 000000

■ 404140

■ 585958

■ 707170

■ 898B89

■ A4A5A4

■ BFC0BF

■ DBDCDB

■ 161716

■ 161716

■ 141714

■ 181718

■ 111711

■ 1B171B

■ 0F170F

■ 1D171D

■ 0D170D

■ 1F171F

■ 0B170B

■ 221722

■ 081708

■ 241724

■ 061706

■ 261726

■ 041704

■ 281728

■ 011701

■ 2B172B

# Harmonies

## Analogous

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



171716



161716



151717

# Triad

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



161716



161718



181616

# Complementary

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



161716



171617

# 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.



181617



161716



171718

# Square

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



161716



151718



171617



181616

# Rectangle

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



161716



151717



171617



181616



# Sweetspot

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



161716



1E1F1E



171716



0F0F0F



8F8F8F

# Same Dimension

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



161716



1D1F1D



161717



0C0D0C



004D00



00CC00



# Inverse Universe

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



171617



1F1D1F



0D0C0D



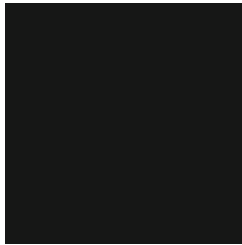
4D004D



CC00CC

# Previews

## White Background



This preview shows how the Hex color 161716 looks on a white background.

## Color Contrast Check

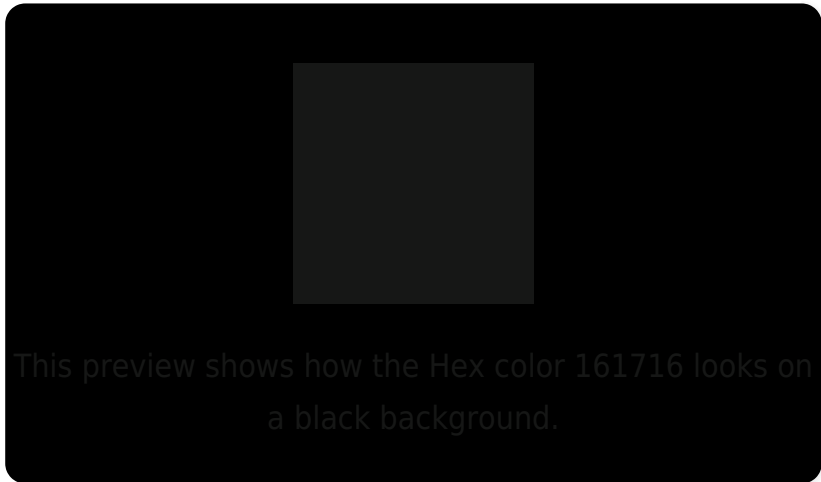
Large Text (above 18pt) WCAG AA ✓ Pass

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

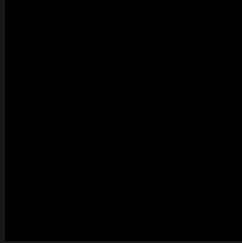
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

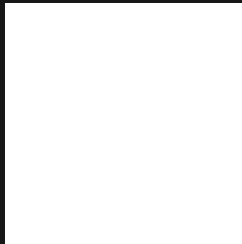
Any Text WCAG AAA × Fail

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

## Hex 161716 Background



This preview shows how black text looks on a background with the Hex color 161716.

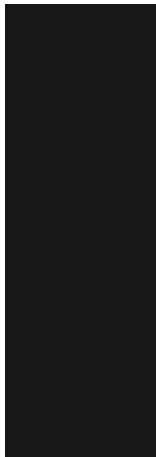


This preview shows how white text looks on a background with the Hex color 161716.

# 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**  
161716

**Protanopia**  
171716

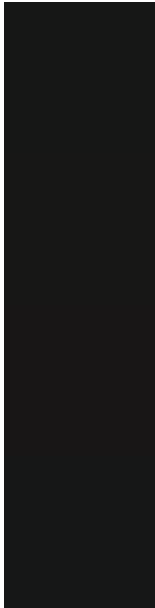
**Deuteranopia**  
191616





**Tritanopia**  
161718

# Trichromacy



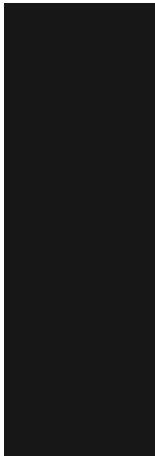
**Original Color**  
161716

**Protanomaly**  
171716

**Deuteranomaly**  
181616

**Tritanomaly**  
161717

# Monochromacy



**Original Color**  
161716

**Achromatopsia**  
171717

**Achromatomaly**  
171717

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 161716 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 #161716 looks like.

```
.text, #text, p{  
    color:#161716  
}
```

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 #161716 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #161716
}
```

## Border

The CSS property to change the border of an element to Hex 161716 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".

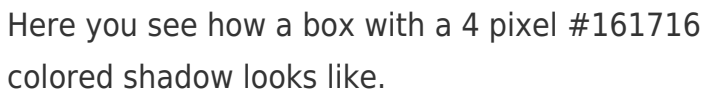
```
.border, #border, table{ border:4px solid
#161716 }
```

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

```
.border{ border-color:#161716 }
```

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

Here you see how a box with a 4 pixel #161716 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #161716; -webkit-box-shadow:4px 4px  
4px 4px #161716; box-shadow:4px 4px 4px  
4px #161716 }
```

# Background

The CSS property to change the background color of an element to Hex 161716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#161716 }
```

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

```
.background{ background-color:#161716 }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor