

# Converting Colors

Hex(163816)

Have a look what the booklet for  
Hex(163816) contains.

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# Color

**Hex(163816)**

# Conversions

## Conversions Part 1

Format	Color
Hex	163816
RGB	22, 56, 22
RGB Percent	9%, 22%, 9%
CMY	0.9137, 0.7804, 0.9137
CMYK	0.61, 0.00, 0.61, 0.78
HSL	120°, 44%, 15%
HSV	120°, 61%, 22%
XYZ	1.8899, 3.0568, 1.2495
YIQ	41.9580, -9.3500, -17.7820

# Conversions

## Conversions Part 2

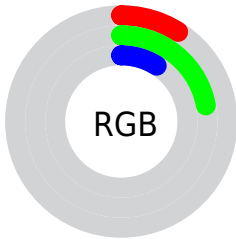
<b>Format</b>	<b>Color</b>
<b>RYB</b>	22, 56, 56
Decimal	1456150
CIELab	20.27, -20.88, 17.42
CIElCh	20, 27.195, 140.157
Yxy	3.0568, 0.3050, 0.4933
Android (android.graphics.Color)	4279646230 (0xFF163816)
YUV	41.9580, -9.8393, -17.5032
Hunter-Lab	17.4838, -11.3022, 8.0015




# Details

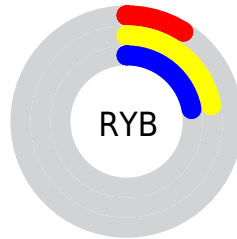
The Hex color **163816** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **381638**, and the grayscale version is **2A2A2A**.




A 20% lighter version of the original color is **456742**, and **000200** is the 20% darker color. If you saturate the color by 10%, you get **103810**, and if you desaturate by 10%, it is **1C381C**.

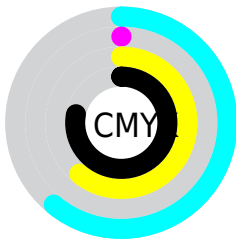
# Distribution







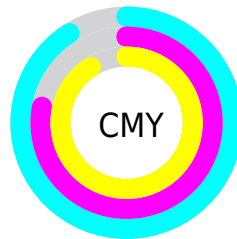
-  Red (9%)
-  Green (22%)
-  Blue (9%)






-  Red (9%)
-  Yellow (22%)
-  Blue (22%)



-  Cyan (61%)
-  Magenta (0%)
-  Yellow (61%)
-  Black (78%)



-  Cyan (91%)
-  Magenta (78%)
-  Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 163816 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 163816 by changing the saturation by 10% instead.



 163816

 163816

 FFFFFA

 022200

 456742

 000200

 5D8159

 000000

 769B72

 90B68B

 ABD1A6

 C6EEC1

 E3FFDD

 163816

 163816

■ 103810

■ 1C381C

■ 0B380B

■ 213821

■ 053805

■ 273827

■ 003800

■ 2C382C

■ 323832

■ 383838

■ 3D383D

■ 433843

■ 483848

# Harmonies

## Analogous

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



2F3407



163816



003A29

# Triad

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



163816



003558



551F24

# Complementary

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



163816



381638

# 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.



521F38



163816



252E56

# Square

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



163816



00394F



43264B



4F2613

# Rectangle

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



163816



003B37



43264B



551E2B



# Sweetspot

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



163816



3D4A3D



383816



1E261E



A6A6A6



262626



# Same Dimension

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



163816



144A14



163827



191C19



005C00



00DB00



# Inverse Universe

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



381638



4A144A



381627



1C191C



5C005C

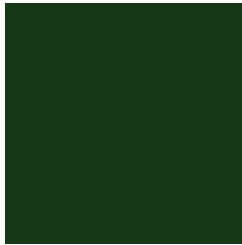


DB00DB



# Previews

## White Background



This preview shows how the Hex color 163816 looks on a white background.

## Color Contrast Check

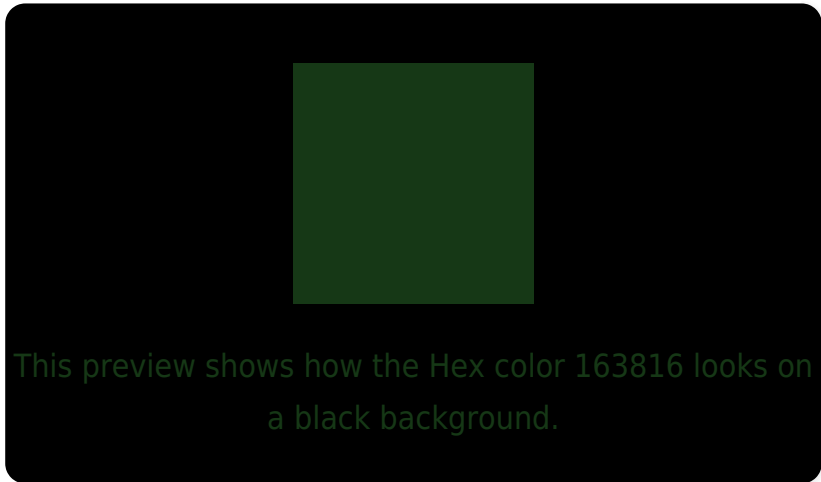
Large Text (above 18pt) WCAG AA ✓ Pass

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

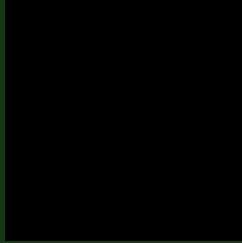
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 163816 Background



This preview shows how black text looks on a background with the Hex color 163816.



This preview shows how white text looks on a background with the Hex color 163816.

# 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](#).

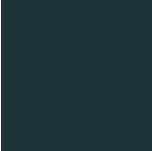
## Dichromacy



**Original Color**  
163816

**Protanopia**  
373114

**Deuteranopia**  
3C2F19



**Tritanopia**  
1E3439

# Trichromacy



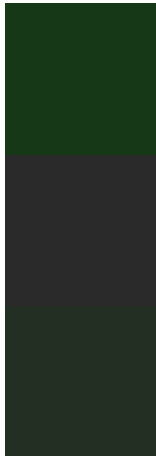
**Original Color**  
163816

**Protanomaly**  
2B3415

**Deuteranomaly**  
2E3218

**Tritanomaly**  
1B352C

# Monochromacy



**Original Color**  
163816

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
232F23

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 163816 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 #163816 looks like.

```
.text, #text, p{  
    color:#163816  
}
```

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 #163816 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #163816
}
```

## Border

The CSS property to change the border of an element to Hex 163816 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
#163816 }
```

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

```
.border{ border-color:#163816 }
```

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

Here you see how a box with a 4 pixel #163816 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #163816; -webkit-box-shadow:4px 4px  
4px 4px #163816; box-shadow:4px 4px 4px  
4px #163816 }
```

# Background

The CSS property to change the background color of an element to Hex 163816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#163816 }
```

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

```
.background{ background-color:#163816 }
```

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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