

# Converting Colors

Hex(66481E)

Have a look what the booklet for  
Hex(66481E) contains.

<b>Hex(66481E)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(66481E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66481E
RGB	102, 72, 30
RGB Percent	40%, 28%, 12%
CMY	0.6000, 0.7176, 0.8824
CMYK	0.00, 0.29, 0.71, 0.60
HSL	35°, 55%, 26%
HSV	35°, 71%, 40%
XYZ	8.0312, 7.5532, 2.2629
YIQ	76.1820, 31.3620, -6.7020

# Conversions

## Conversions Part 2

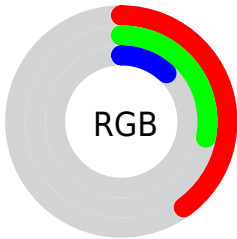
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 102, 30
Decimal	6703134
CIE Lab	33.03, 8.05, 29.55
CIE LCh	33, 30.632, 74.762
Yxy	7.5532, 0.4500, 0.4232
Android (android.graphics.Color)	4284893214 (0xFF66481E)
YUV	76.1820, -22.7677, 22.6424
Hunter-Lab	27.4832, 4.0661, 14.3564

# Details

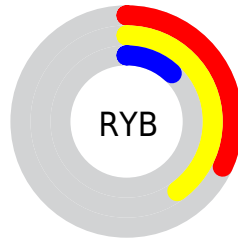
The Hex color **66481E** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **1E3C66**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **9C784C**, and **341D00** is the 20% darker color. If you saturate the color by 10%, you get **664414**, and if you desaturate by 10%, it is **664C28**.

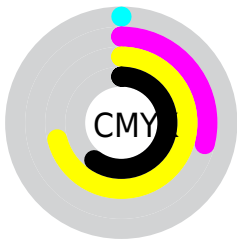
# Distribution



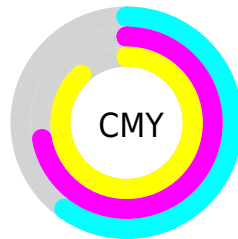
- Red (40%)
- Green (28%)
- Blue (12%)



- Red (32%)
- Yellow (40%)
- Blue (12%)



- Cyan (0%)
- Magenta (29%)
- Yellow (71%)
- Black (60%)



- Cyan (60%)
- Magenta (72%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66481E 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 66481E by changing the saturation by 10% instead.



■ 66481E

■ 66481E

FFFFFF

■ 4C3207

■ 9C784C

■ 341D00

■ B79264

■ 1C0400

■ D4AD7E

■ 000000

■ F1C898

■ FFE4B3

■ FFFFCE

■ FFFFEB

■ 66481E

■ 66481E

■ 664414

■ 664C28

■ 66400A

■ 665132

■ 663C00

■ 66553D

■ 665947

■ 665D51

■ 66625B

■ 666665

■ 666A70

■ 666E7A

# Harmonies

## Analogous

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



753F2D



66481E



50501D

# Triad

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



66481E



005A59



5F4370

# Complementary

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



66481E



1E3C66

# 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.



3A4C7C



66481E



00586F

# Square

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



66481E



055940



00547C



743B5B

# Rectangle

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



66481E



3F5424



00547C



544676



# Sweetspot

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



66481E



857969



661E3C



423B32



C2C2C2



424242



# Same Dimension

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



66481E



855614



60661E



33312E



734300



F28D00



# Inverse Universe

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



1E3C66



144385



241E66



2E3033



003073



0065F2



# Previews

## White Background



This preview shows how the Hex color 66481E looks on a white background.

## Color Contrast Check

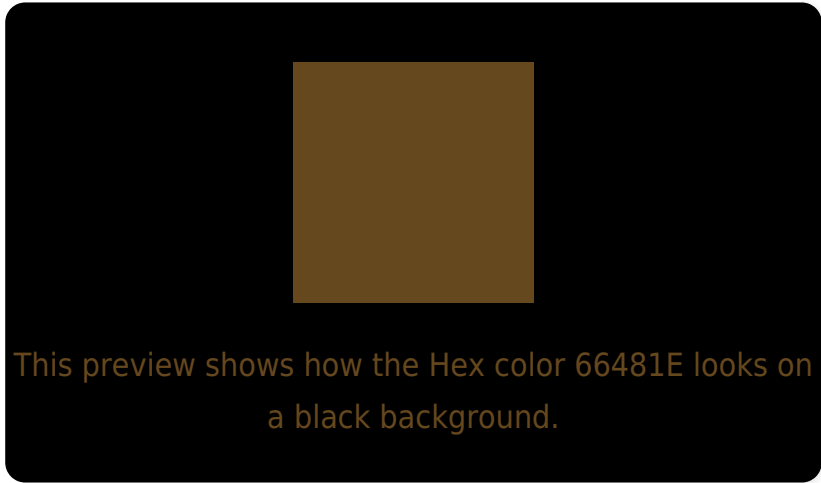
Large Text (above 18pt) WCAG AA ✓ Pass

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

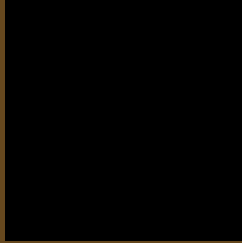
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 66481E Background



This preview shows how black text looks on a background with the Hex color 66481E.



This preview shows how white text looks on a background with the Hex color 66481E.

# 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**  
66481E

**Protanopia**  
574E20

**Deuteranopia**  
614A1D



**Tritanopia**  
694449

# Trichromacy



**Original Color**  
66481E

**Protanomaly**  
5C4C1F

**Deuteranomaly**  
63491D

**Tritanomaly**  
684539

# Monochromacy



**Original Color**  
66481E

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
554B3B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66481E 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 #66481E looks like.

```
.text, #text, p{  
    color:#66481E  
}
```

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 #66481E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66481E
}
```

## Border

The CSS property to change the border of an element to Hex 66481E is called "border". The border property can be set on classes, ids or directly on the HTML element.

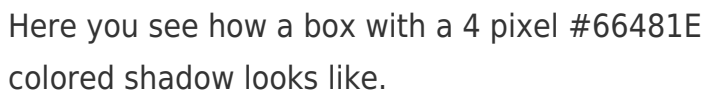
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#66481E }
```

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

```
.border{ border-color:#66481E }
```

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



Here you see how a box with a 4 pixel #66481E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66481E; -webkit-box-shadow:4px 4px  
4px 4px #66481E; box-shadow:4px 4px 4px  
4px #66481E }
```

# Background

The CSS property to change the background color of an element to Hex 66481E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66481E }
```

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

```
.background{ background-color:#66481E }
```

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