

# Converting Colors

Hex(40471E)

Have a look what the booklet for  
Hex(40471E) contains.

<b>Hex(40471E)</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(40471E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40471E
RGB	64, 71, 30
RGB Percent	25%, 28%, 12%
CMY	0.7490, 0.7216, 0.8824
CMYK	0.10, 0.00, 0.58, 0.72
HSL	70°, 41%, 20%
HSV	70°, 58%, 28%
XYZ	4.6019, 5.6902, 2.0841
YIQ	64.2330, 8.9890, -14.2350

# Conversions

## Conversions Part 2

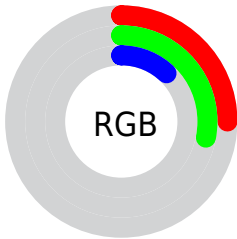
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 71, 37
Decimal	4212510
CIELab	28.62, -10.08, 23.43
CIELCh	29, 25.502, 113.276
Yxy	5.6902, 0.3718, 0.4598
Android (android.graphics.Color)	4282402590 (0xFF40471E)
YUV	64.2330, -16.8769, -0.2043
Hunter-Lab	23.8541, -7.3086, 11.5179

# Details

The Hex color **40471E** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **251E47**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **71774B**, and **131C00** is the 20% darker color. If you saturate the color by 10%, you get **3F4717**, and if you desaturate by 10%, it is **414725**.

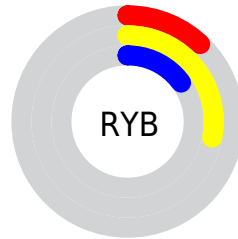
# Distribution



Red (25%)

Green (28%)

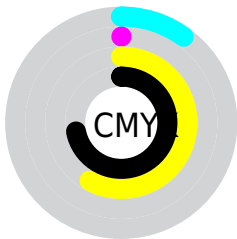
Blue (12%)



Red (12%)

Yellow (28%)

Blue (15%)

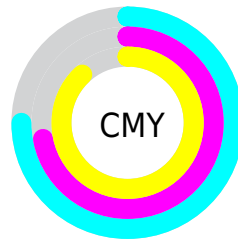


Cyan (10%)

Magenta (0%)

Yellow (58%)

Black (72%)



Cyan (75%)

Magenta (72%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40471E 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 40471E by changing the saturation by 10% instead.





40471E



40471E

FFFFFF



293107



71774B



131C00



8B9164



000000



A5AB7D



C1C797



DDE3B2



F9FFCD



FFFFE9



40471E



40471E

■ 3F4717

■ 414725

■ 3E4710

■ 42472C

■ 3C4709

■ 444733

■ 3B4702

■ 45473A

■ 3B4700

■ 464742

■ 474749

■ 484750

■ 4A4757

■ 4B475E

# Harmonies

## Analogous

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



53411C



40471E



294B2B

# Triad

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



40471E



004B63



663349

# Complementary

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



40471E



251E47

# 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.



58385B



40471E



14476A

# Square

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



40471E



004D52



3E4068



683435

# Rectangle

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



40471E



124D38



3E4068



62354F



# Sweetspot

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



40471E



595C4C



47251E



2C2E25



ADADAD



2E2E2E



# Same Dimension

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



40471E



515C1C



2C471E



232420



526300



BCE300



# Inverse Universe

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



251E47



271C5C



391E47



212024



110063

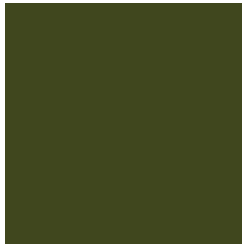


2700E3



# Previews

## White Background



This preview shows how the Hex color 40471E looks on a white background.

## Color Contrast Check

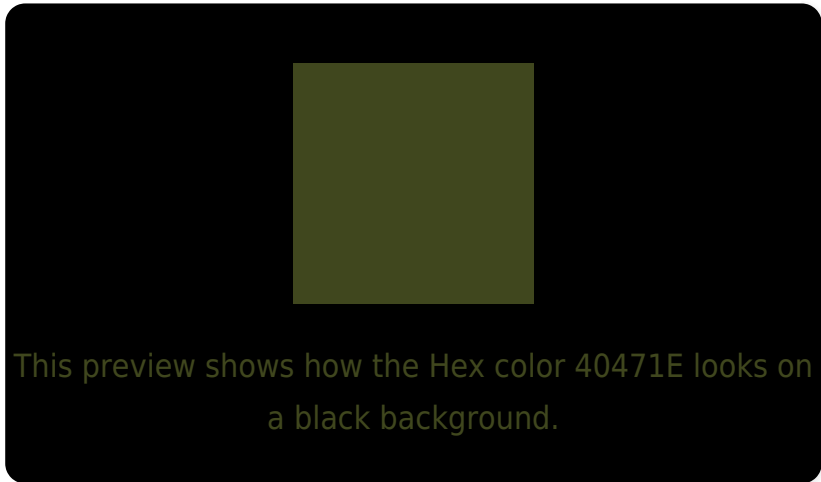
Large Text (above 18pt) WCAG AA ✓ Pass

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

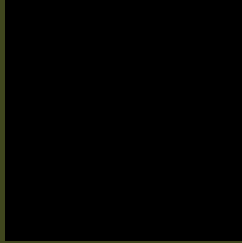
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 40471E Background



This preview shows how black text looks on a background with the Hex color 40471E.



This preview shows how white text looks on a background with the Hex color 40471E.

# 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**  
40471E

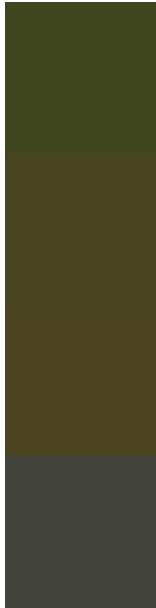
**Protanopia**  
4B441D

**Deuteranopia**  
534020



**Tritanopia**  
454348

# Trichromacy



**Original Color**  
40471E

**Protanomaly**  
47451D

**Deuteranomaly**  
4C431F

**Tritanomaly**  
434439

# Monochromacy



**Original Color**  
40471E

**Achromatopsia**  
404040

**Achromatomaly**  
404334

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40471E 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 #40471E looks like.

```
.text, #text, p{  
    color:#40471E  
}
```

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 #40471E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40471E
}
```

## Border

The CSS property to change the border of an element to Hex 40471E is called "border". The border property can be set on classes, ids or directly on the HTML element.

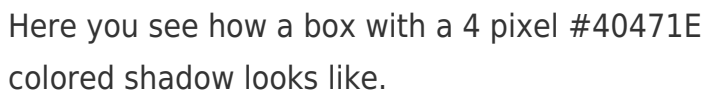
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#40471E }
```

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

```
.border{ border-color:#40471E }
```

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



Here you see how a box with a 4 pixel #40471E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40471E; -webkit-box-shadow:4px 4px  
4px 4px #40471E; box-shadow:4px 4px 4px  
4px #40471E }
```

# Background

The CSS property to change the background color of an element to Hex 40471E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40471E }
```

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

```
.background{ background-color:#40471E }
```

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