

# Converting Colors

Hex(472F01)

Have a look what the booklet for  
Hex(472F01) contains.

<b>Hex(472F01)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(472F01)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	472F01
RGB	71, 47, 1
RGB Percent	28%, 18%, 0%
CMY	0.7216, 0.8157, 0.9961
CMYK	0.00, 0.34, 0.99, 0.72
HSL	39°, 97%, 14%
HSV	39°, 99%, 28%
XYZ	3.6205, 3.3748, 0.4893
YIQ	48.9320, 29.0700, -9.2180

# Conversions

## Conversions Part 2

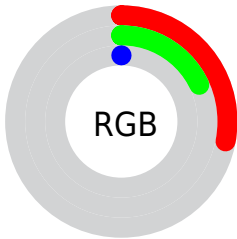
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">38, 71, 1</a>
Decimal	<a href="#">4665089</a>
CIELab	<a href="#">21.49, 6.65, 30.05</a>
CIELCh	<a href="#">21, 30.775, 77.512</a>
Yxy	<a href="#">3.3748, 0.4837, 0.4509</a>
Android (android.graphics.Color)	<a href="#">4282855169 (0xFF472F01)</a>
YUV	<a href="#">48.9320, -23.6305, 19.3536</a>
Hunter-Lab	<a href="#">18.3707, 3.0305, 11.2803</a>

# Details

The Hex color **472F01** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **011947**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **7B5D30**, and **160000** is the 20% darker color. If you saturate the color by 10%, you get **472F00**, and if you desaturate by 10%, it is **473108**.

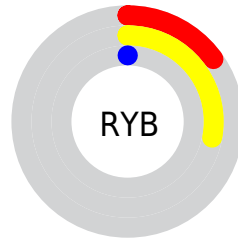
# Distribution



Red (28%)

Green (18%)

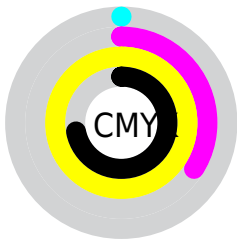
Blue (0%)



Red (15%)

Yellow (28%)

Blue (0%)

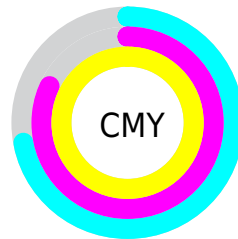


Cyan (0%)

Magenta (34%)

Yellow (99%)

Black (72%)



Cyan (72%)

Magenta (82%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 472F01 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 472F01 by changing the saturation by 10% instead.



 472F01

 472F01

 FFFFE5

 2E1A00

 7B5D30

 160000

 967547

 000000

 B18F5F

 CDA979

 EAC593

 FFE0AD

 FFFDC9

 472F01

 472F01

■ 472F00

■ 473108

■ 47340F

■ 473616

■ 47391D

■ 473B25

■ 473E2C

■ 474033

■ 47423A

■ 474541

# Harmonies

## Analogous

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



562613



472F01



333601

# Triad

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



472F01



003E41



452752

# Complementary

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



472F01



011947

# 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.



20315F



472F01



003D55

# Square

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



472F01



003E29



003960



581F3E

# Rectangle

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



472F01



213A0C



003960



3C2B58



# Sweetspot

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



472F01



5C5240



470119



2E281D



ADADAD



2E2E2E



# Same Dimension

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



472F01



5C3C00



3C4701



242220



634100



E39500



# Inverse Universe

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



011947



001F5C



0C0147



202124



002263

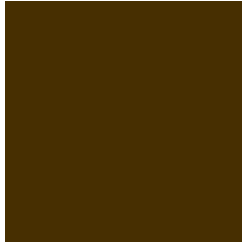


004EE3



# Previews

## White Background



This preview shows how the Hex color 472F01 looks on a white background.

## Color Contrast Check

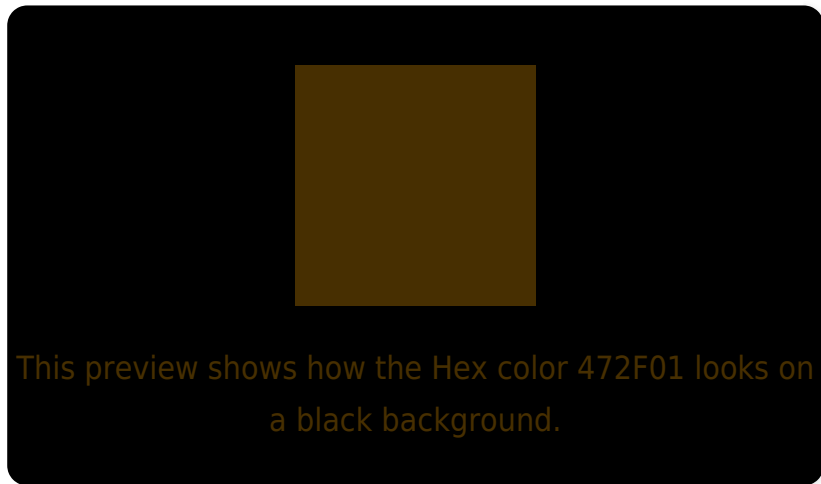
Large Text (above 18pt) WCAG AA ✓ Pass

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

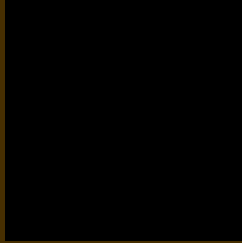
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 472F01 Background



This preview shows how black text looks on a background with the Hex color 472F01.



This preview shows how white text looks on a background with the Hex color 472F01.

# 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**  
472F01

**Protanopia**  
3B3405

**Deuteranopia**  
423100



**Tritanopia**  
492C2F

# Trichromacy



**Original Color**

472F01

**Protanomaly**

3F3204

**Deuteranomaly**

443000

**Tritanomaly**

482D1E

# Monochromacy



**Original Color**

472F01

**Achromatopsia**

313131

**Achromatomaly**

393020

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 472F01 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 #472F01 looks like.

```
.text, #text, p{  
    color:#472F01  
}
```

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 #472F01 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #472F01
}
```

## Border

The CSS property to change the border of an element to Hex 472F01 is called "border". The border property can be set on classes, ids or directly on the HTML element.

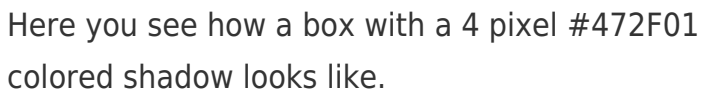
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#472F01 }
```

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

```
.border{ border-color:#472F01 }
```

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



Here you see how a box with a 4 pixel #472F01 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #472F01; -webkit-box-shadow:4px 4px  
4px 4px #472F01; box-shadow:4px 4px 4px  
4px #472F01 }
```

# Background

The CSS property to change the background color of an element to Hex 472F01 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#472F01 }
```

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

```
.background{ background-color:#472F01 }
```

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**