

# Converting Colors

Hex(472C37)

Have a look what the booklet for  
Hex(472C37) contains.

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# Color

Hex(472C37)

# Conversions

## Conversions Part 1

Format	Color
Hex	472C37
RGB	71, 44, 55
RGB Percent	28%, 17%, 22%
CMY	0.7216, 0.8275, 0.7843
CMYK	0.00, 0.38, 0.23, 0.72
HSL	336°, 23%, 23%
HSV	336°, 38%, 28%
XYZ	4.1888, 3.4168, 4.0532
YIQ	53.3270, 12.5610, 9.1450

# Conversions

## Conversions Part 2

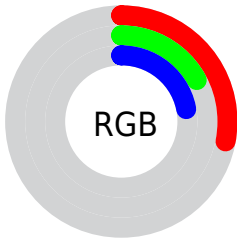
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	71, 44, 55
Decimal	4664375
CIE Lab	21.64, 14.37, -1.88
CIE LCh	22, 14.488, 352.542
Yxy	3.4168, 0.3593, 0.2931
Android (android.graphics.Color)	4282854455 (0xFF472C37)
YUV	53.3270, 0.8248, 15.4992
Hunter-Lab	18.4846, 8.1020, -0.0615

# Details

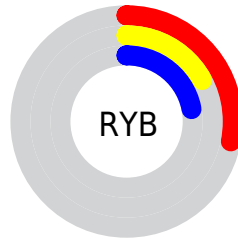
The Hex color **472C37** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2C473C**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **785A66**, and **1D000B** is the 20% darker color. If you saturate the color by 10%, you get **472533**, and if you desaturate by 10%, it is **47333B**.

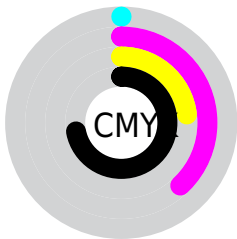
# Distribution



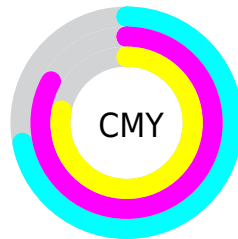
- Red (28%)
- Green (17%)
- Blue (22%)



- Red (28%)
- Yellow (17%)
- Blue (22%)



- Cyan (0%)
- Magenta (38%)
- Yellow (23%)
- Black (72%)



- Cyan (72%)
- Magenta (83%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 472C37 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 472C37 by changing the saturation by 10% instead.





472C37



472C37

FFFFFF



301722



785A66



1D000B



92737F



000000



AD8C99



C8A7B3



E5C2CF



FFDEEB



FFFBFF



472C37



472C37

■ 472533

■ 47333B

■ 471E2F

■ 473A3F

■ 47172A

■ 474144

■ 471026

■ 474848

■ 470822

■ 47504C

■ 47011E

■ 475750

■ 47001D

■ 475E54

■ 476559

■ 476C5D

# Harmonies

## Analogous

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



3F2E41



472C37



492C2C

# Triad

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



472C37



333620



123845

# Complementary

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



472C37



2C473C

# 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.



103A3C



472C37



273827

# Square

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



472C37



3E321F



1A3A31



213649

# Rectangle

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



472C37



472E26



1A3A31



103942



# Sweetspot

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



472C37



5C5256



3C2C47



2E282A



ADADAD



2E2E2E



# Same Dimension

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



472C37



5C3243



472E2C



242022



630029



E3005C



# Inverse Universe

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



472C37



5C3243



2C4547



242022



630029

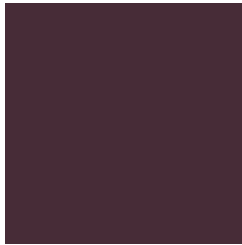


E3005C



# Previews

## White Background



This preview shows how the Hex color 472C37 looks on a white background.

## Color Contrast Check

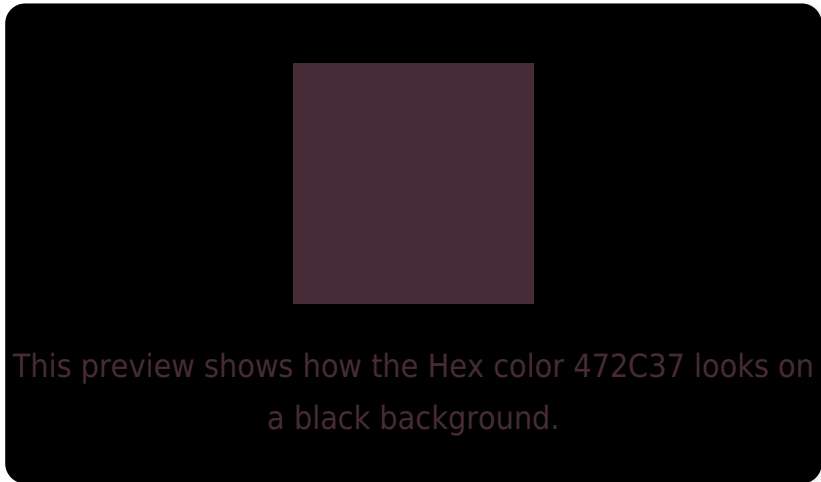
Large Text (above 18pt) WCAG AA ✓ Pass

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

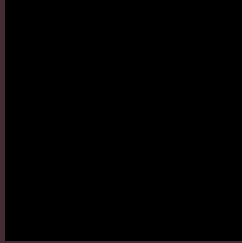
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 472C37 Background



This preview shows how black text looks on a background with the Hex color 472C37.



This preview shows how white text looks on a background with the Hex color 472C37.

# 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**  
472C37

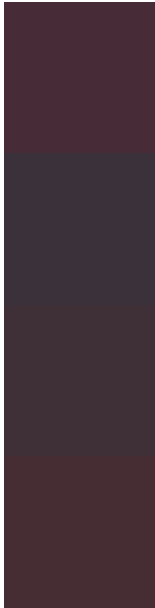
**Protanopia**  
33343C

**Deuteranopia**  
393336



**Tritanopia**  
462D31

# Trichromacy



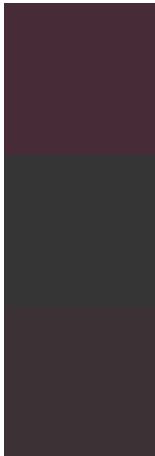
**Original Color**  
472C37

**Protanomaly**  
3A313A

**Deuteranomaly**  
3E3036

**Tritanomaly**  
462D33

# Monochromacy



**Original Color**  
472C37

**Achromatopsia**  
353535

**Achromatomaly**  
3C3236

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 472C37 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 #472C37 looks like.

```
.text, #text, p{  
    color:#472C37  
}
```

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 #472C37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #472C37
}
```

## Border

The CSS property to change the border of an element to Hex 472C37 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".

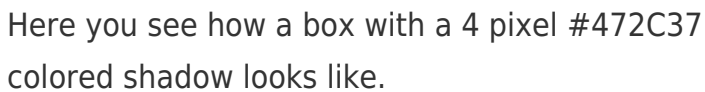
```
.border, #border, table{ border:4px solid
#472C37 }
```

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

```
.border{ border-color:#472C37 }
```

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

Here you see how a box with a 4 pixel #472C37 colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border. Below the box, there is a thick dark blue shadow that is wider on the left and right sides and tapers slightly towards the top and bottom edges.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #472C37; -webkit-box-shadow:4px 4px  
4px 4px #472C37; box-shadow:4px 4px 4px  
4px #472C37 }
```

# Background

The CSS property to change the background color of an element to Hex 472C37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#472C37 }
```

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

```
.background{ background-color:#472C37 }
```

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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