

# Converting Colors

Hex(472C4C)

Have a look what the booklet for  
Hex(472C4C) contains.

<b>Hex(472C4C)</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(472C4C)

# Conversions

## Conversions Part 1

Format	Color
Hex	472C4C
RGB	71, 44, 76
RGB Percent	28%, 17%, 30%
CMY	0.7216, 0.8275, 0.7020
CMYK	0.07, 0.42, 0.00, 0.70
HSL	291°, 27%, 24%
HSV	291°, 42%, 30%
XYZ	4.8037, 3.6628, 7.2913
YIQ	55.7210, 5.8200, 15.6760

# Conversions

## Conversions Part 2

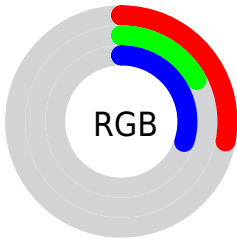
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	71, 44, 76
Decimal	4664396
CIE Lab	22.52, 18.81, -14.80
CIE LCh	23, 23.934, 321.814
Yxy	3.6628, 0.3048, 0.2324
Android (android.graphics.Color)	4282854476 (0xFF472C4C)
YUV	55.7210, 9.9975, 13.3997
Hunter-Lab	19.1383, 11.3114, -9.1913

# Details

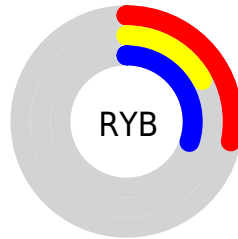
The Hex color **472C4C** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **314C2C**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **785A7D**, and **1D0020** is the 20% darker color. If you saturate the color by 10%, you get **46244C**, and if you desaturate by 10%, it is **48344C**.

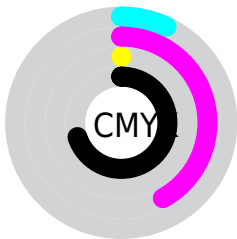
# Distribution



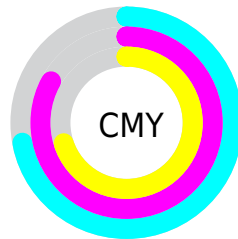
- Red (28%)
- Green (17%)
- Blue (30%)



- Red (28%)
- Yellow (17%)
- Blue (30%)



- Cyan (7%)
- Magenta (42%)
- Yellow (0%)
- Black (70%)



- Cyan (72%)
- Magenta (83%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 472C4C 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 472C4C by changing the saturation by 10% instead.



■ 472C4C

■ 472C4C

FFFFFF

■ 301735

■ 785A7D

■ 1D0020

■ 927397

■ 000005

■ AD8DB2

■ 000000

■ C8A7CD

■ E5C2E9

■ FFDEFF

■ FFFBFF

■ 472C4C

■ 472C4C

■ 46244C

■ 48344C

■ 451D4C

■ 493B4C

■ 43154C

■ 4B434C

■ 420E4C

■ 4C4A4C

■ 41064C

■ 4D524C

■ 40004C

■ 4E5A4C

■ 4F614C

■ 51694C

■ 52704C

# Harmonies

## Analogous

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



2F3357



472C4C



54273B

# Triad

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



472C4C



443311



003F42

# Complementary

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



472C4C



314C2C

# 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.



003E30



472C4C



333913

# Square

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



472C4C



512D1A



1E3D1F



003D51

# Rectangle

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



472C4C



57272F



1E3D1F



003F3D



# Sweetspot

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



472C4C



615763



2C314C



322B33



B3B3B3



333333



# Same Dimension

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



472C4C



5C3163



4C2C41



262226



560066



C200E6



# Inverse Universe

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



4C2C31



633139



2C4C37



262223



660010



E60024



# Previews

## White Background



This preview shows how the Hex color 472C4C 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

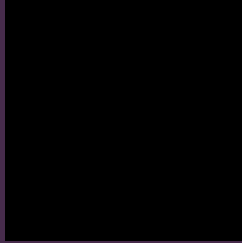
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 472C4C Background



This preview shows how black text looks on a background with the Hex color 472C4C.



This preview shows how white text looks on a background with the Hex color 472C4C.

# 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](#).

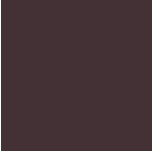
## Dichromacy



**Original Color**  
472C4C

**Protanopia**  
2B3554

**Deuteranopia**  
30354A



**Tritanopia**  
443135

# Trichromacy



**Original Color**  
472C4C

**Protanomaly**  
353251

**Deuteranomaly**  
38324B

**Tritanomaly**  
452F3D

# Monochromacy



**Original Color**  
472C4C

**Achromatopsia**  
383838

**Achromatomaly**  
3D343F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 472C4C 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 #472C4C looks like.

```
.text, #text, p{  
    color:#472C4C  
}
```

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 #472C4C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #472C4C
}
```

## Border

The CSS property to change the border of an element to Hex 472C4C is called "border". The border property can be set on classes, ids or directly on the HTML element.

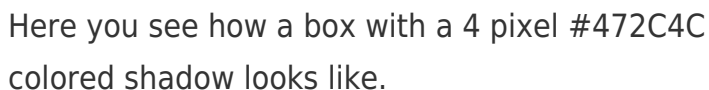
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#472C4C }
```

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

```
.border{ border-color:#472C4C }
```

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



Here you see how a box with a 4 pixel #472C4C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #472C4C; -webkit-box-shadow:4px 4px  
4px 4px #472C4C; box-shadow:4px 4px 4px  
4px #472C4C }
```

# Background

The CSS property to change the background color of an element to Hex 472C4C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#472C4C }
```

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

```
.background{ background-color:#472C4C }
```

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