

# Converting Colors

Hex(472F58)

Have a look what the booklet for  
Hex(472F58) contains.

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# Color

**Hex(472F58)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	472F58
RGB	71, 47, 88
RGB Percent	28%, 18%, 35%
CMY	0.7216, 0.8157, 0.6549
CMYK	0.19, 0.47, 0.00, 0.65
HSL	275°, 30%, 26%
HSV	275°, 47%, 35%
XYZ	5.3765, 4.0772, 9.7361
YIQ	58.8500, 1.1430, 17.8390

# Conversions

## Conversions Part 2

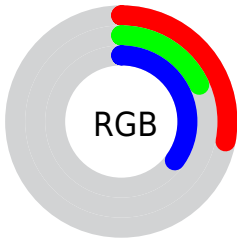
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	71, 47, 88
Decimal	4665176
CIE Lab	23.93, 19.85, -20.60
CIE LCh	24, 28.603, 313.934
Yxy	4.0772, 0.2802, 0.2125
Android (android.graphics.Color)	4282855256 (0xFF472F58)
YUV	58.8500, 14.3710, 10.6556
Hunter-Lab	20.1921, 12.1926, -14.4537

# Details

The Hex color **472F58** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40582F**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **785E8A**, and **1B012A** is the 20% darker color. If you saturate the color by 10%, you get **432658**, and if you desaturate by 10%, it is **4B3858**.

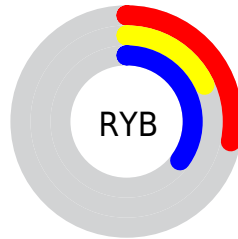
# Distribution



Red (28%)

Green (18%)

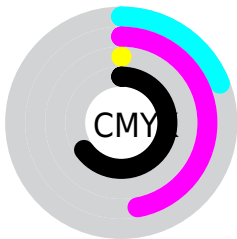
Blue (35%)



Red (28%)

Yellow (18%)

Blue (35%)

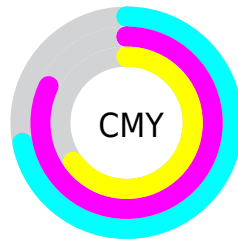


Cyan (19%)

Magenta (47%)

Yellow (0%)

Black (65%)



Cyan (72%)

Magenta (82%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 472F58 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 472F58 by changing the saturation by 10% instead.



■ 472F58

■ 472F58

FFFFFF

■ 301A40

■ 785E8A

■ 1B012A

■ 9276A5

■ 000115

■ AD90C0

■ 000000

■ C9ABDC

■ E5C6F8

■ FFE2FF

■ 472F58

■ 472F58

■ 432658

■ 4B3858

■ 401D58

■ 4E4158

■ 3C1558

■ 524958

■ 380C58

■ 565258

■ 350358

■ 595B58

■ 340058

■ 5D6458

■ 616D58

■ 647558

■ 687E58

# Harmonies

## Analogous

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



243863



472F58



5A2745

# Triad

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



472F58



4E340E



004343

# Complementary

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



472F58



40582F

# 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.



00432C



472F58



3B3B0C

# Square

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



472F58



5B2B1C



234018



004256

# Rectangle

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



472F58



602537



234018



00433B



# Sweetspot

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



472F58



6C6373



2F4058



37313B



BABABA



3B3B3B



# Same Dimension

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



472F58



583273



582F55



2A272B



3F006B



8900EB



# Inverse Universe

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



582F40



73324D



2F5832



2B2729



6B002C



EB0061



# Previews

## White Background



This preview shows how the Hex color 472F58 looks on a white background.

## Color Contrast Check

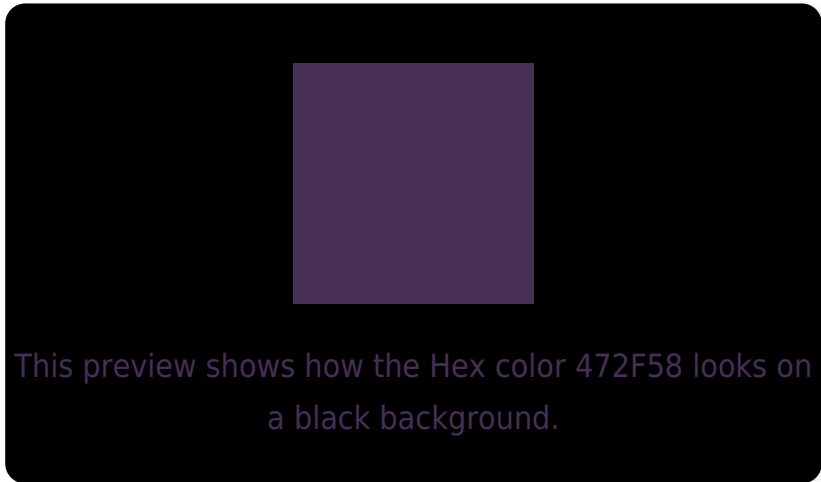
Large Text (above 18pt) WCAG AA ✓ Pass

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

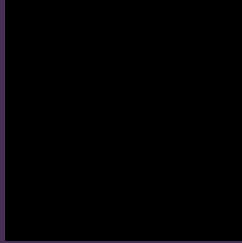
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 472F58 Background



This preview shows how black text looks on a background with the Hex color 472F58.



This preview shows how white text looks on a background with the Hex color 472F58.

# 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](#).

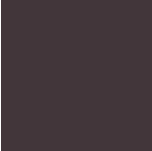
## Dichromacy



**Original Color**  
472F58

**Protanopia**  
293860

**Deuteranopia**  
2C3956



**Tritanopia**  
42363A

# Trichromacy



**Original Color**  
472F58

**Protanomaly**  
34355D

**Deuteranomaly**  
363557

**Tritanomaly**  
443345

# Monochromacy



**Original Color**  
472F58

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
3F3746

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 472F58 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 #472F58 looks like.

```
.text, #text, p{  
    color:#472F58  
}
```

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 #472F58 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #472F58
}
```

## Border

The CSS property to change the border of an element to Hex 472F58 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".

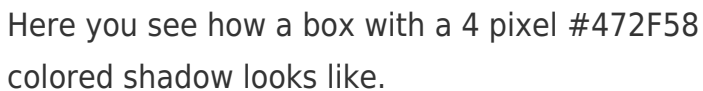
```
.border, #border, table{ border:4px solid
#472F58 }
```

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

```
.border{ border-color:#472F58 }
```

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

Here you see how a box with a 4 pixel #472F58 colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The box is white with a thin dark purple border on the top and left sides, and a thicker dark purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #472F58; -webkit-box-shadow:4px 4px  
4px 4px #472F58; box-shadow:4px 4px 4px  
4px #472F58 }
```

# Background

The CSS property to change the background color of an element to Hex 472F58 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#472F58 }
```

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

```
.background{ background-color:#472F58 }
```

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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