

# Converting Colors

Hex(471F23)

Have a look what the booklet for  
Hex(471F23) contains.

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**Color**

**Hex(471F23)**

# Conversions

## Conversions Part 1

| Format      | Color                    |
|-------------|--------------------------|
| Hex         | 471F23                   |
| RGB         | 71, 31, 35               |
| RGB Percent | 28%, 12%, 14%            |
| CMY         | 0.7216, 0.8784, 0.8627   |
| CMYK        | 0.00, 0.56, 0.51, 0.72   |
| HSL         | 354°, 39%, 20%           |
| HSV         | 354°, 56%, 28%           |
| XYZ         | 3.3919, 2.4409, 1.8825   |
| YIQ         | 43.4160, 22.5560, 9.7240 |

# Conversions

## Conversions Part 2

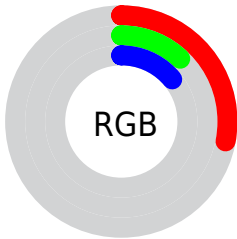
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>Y</sub>B</b>               | 71, 31, 35                   |
| Decimal                             | 4661027                      |
| CIE Lab                             | 17.65, 19.58, 6.30           |
| CIE LCh                             | 18, 20.565, 17.841           |
| Yxy                                 | 2.4409, 0.4396,<br>0.3164    |
| Android<br>(android.graphics.Color) | 4282851107<br>(0xFF471F23)   |
| YUV                                 | 43.4160, -4.1491,<br>24.1912 |
| Hunter-Lab                          | 15.6234, 11.4119,<br>3.7925  |

# Details

The Hex color **471F23** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **1F4743**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **7A4C4F**, and **150000** is the 20% darker color. If you saturate the color by 10%, you get **47181D**, and if you desaturate by 10%, it is **472629**.

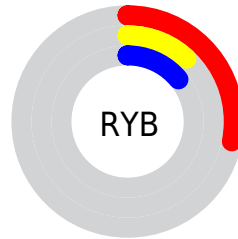
# Distribution



Red (28%)

Green (12%)

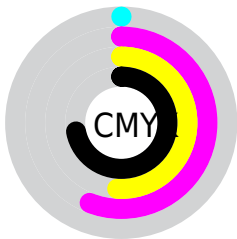
Blue (14%)



Red (28%)

Yellow (12%)

Blue (14%)

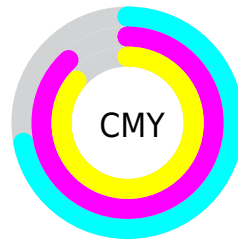


Cyan (0%)

Magenta (56%)

Yellow (51%)

Black (72%)



Cyan (72%)

Magenta (88%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 471F23 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 471F23 by changing the saturation by 10% instead.





471F23



471F23

FFFFFF



2F090D



7A4C4F



150000



946567



000000



AF7E80



CB989A



E8B3B5



FFCED1



FFEDED



471F23



471F23

■ 47181D

■ 472629

■ 471116

■ 472D30

■ 470A10

■ 473436

■ 470309

■ 473B3D

■ 470007

■ 474343

■ 474A49

■ 475150

■ 475856

■ 475F5D

# Harmonies

## Analogous

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



441F32



471F23



432316

# Triad

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



471F23



1A3117



002F48

# Complementary

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



471F23



1F4743

# 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.



003241



471F23



003225

# Square

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



471F23



2B2D0D



003334



222A47

# Rectangle

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



471F23



3D270F



003334



003046



# Sweetspot

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



471F23



5C4C4E



431F47



2E2526



ADADAD



2E2E2E



# Same Dimension

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



471F23



5C1D24



472F1F



242020



63000A



E30017



# Inverse Universe

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



471F23



5C1D24



1F3747



242020



63000A

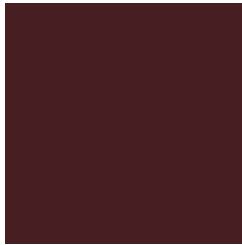


E30017



# Previews

## White Background



This preview shows how the Hex color 471F23 looks on a white background.

## Color Contrast Check

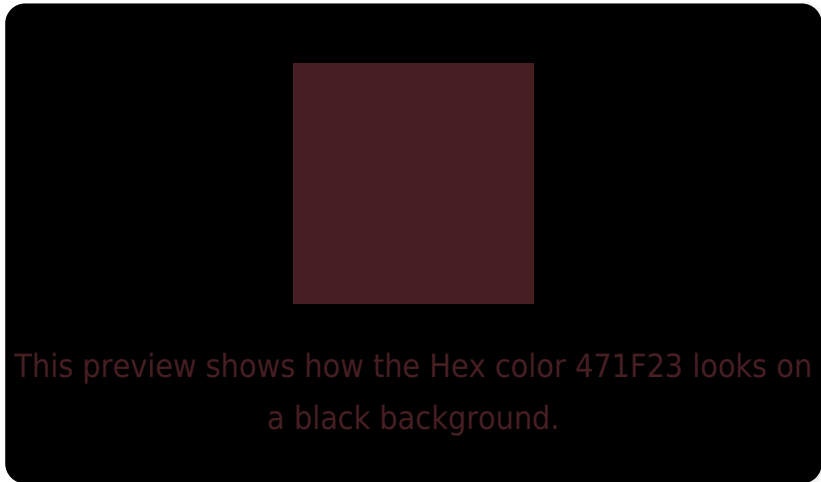
Large Text (above 18pt) WCAG AA ✓ Pass

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

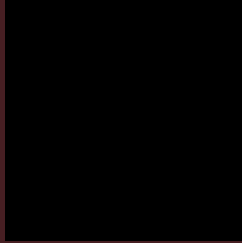
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 471F23 Background



This preview shows how black text looks on a background with the Hex color 471F23.



This preview shows how white text looks on a background with the Hex color 471F23.

# 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**  
471F23

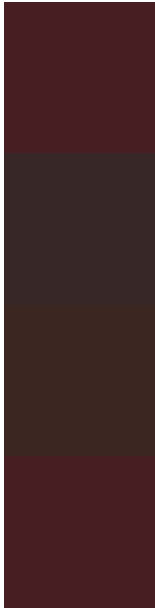
**Protanopia**  
2E2C29

**Deuteranopia**  
342A21



**Tritanopia**  
471F21

# Trichromacy



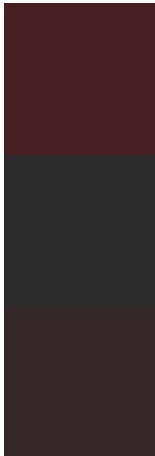
**Original Color**  
471F23

**Protanomaly**  
372727

**Deuteranomaly**  
3B2622

**Tritanomaly**  
471F22

# Monochromacy



**Original Color**  
471F23

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
352728

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 471F23 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 #471F23 looks like.

```
.text, #text, p{  
    color:#471F23  
}
```

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 #471F23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #471F23
}
```

## Border

The CSS property to change the border of an element to Hex 471F23 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".

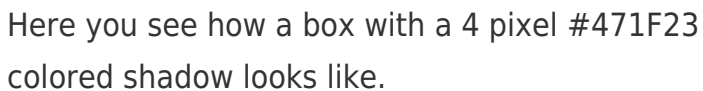
```
.border, #border, table{ border:4px solid
#471F23 }
```

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

```
.border{ border-color:#471F23 }
```

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

Here you see how a box with a 4 pixel #471F23 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #471F23 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #471F23; -webkit-box-shadow:4px 4px  
4px 4px #471F23; box-shadow:4px 4px 4px  
4px #471F23 }
```

# Background

The CSS property to change the background color of an element to Hex 471F23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#471F23 }
```

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

```
.background{ background-color:#471F23 }
```

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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