

# Converting Colors

Hex(477638)

Have a look what the booklet for  
Hex(477638) contains.

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# Color

Hex(477638)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	477638
RGB	71, 118, 56
RGB Percent	28%, 46%, 22%
CMY	0.7216, 0.5373, 0.7804
CMYK	0.40, 0.00, 0.53, 0.54
HSL	105°, 36%, 34%
HSV	105°, 53%, 46%
XYZ	9.7908, 14.5820, 6.0400
YIQ	96.8790, -8.1100, -29.2460

# Conversions

## Conversions Part 2

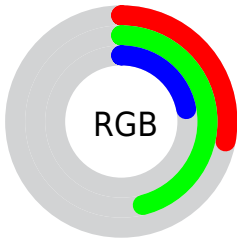
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 118, 103
Decimal	4683320
CIELab	45.06, -28.79, 28.99
CIELCh	45, 40.858, 134.797
Yxy	14.5820, 0.3219, 0.4795
Android (android.graphics.Color)	4282873400 (0xFF477638)
YUV	96.8790, -20.1533, -22.6959
Hunter-Lab	38.1864, -21.0597, 17.3525

# Details

The Hex color **477638** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **673876**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **7AAB68**, and **144509** is the 20% darker color. If you saturate the color by 10%, you get **3E762C**, and if you desaturate by 10%, it is **507644**.

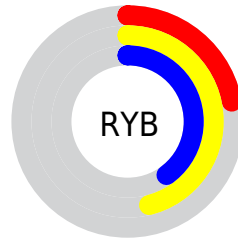
# Distribution



Red (28%)

Green (46%)

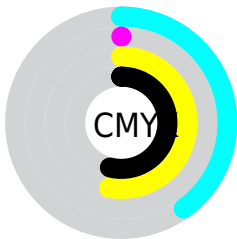
Blue (22%)



Red (22%)

Yellow (46%)

Blue (40%)

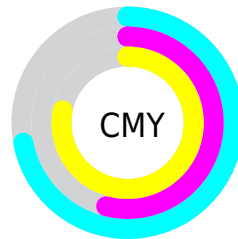


Cyan (40%)

Magenta (0%)

Yellow (53%)

Black (54%)



Cyan (72%)

Magenta (54%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 477638 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 477638 by changing the saturation by 10% instead.



 477638

 477638

FFFFFF

 2E5D21

 7AAB68

 144509

 95C682

 002E00

 B0E29C

 001A00

 CCFFB8

 000000

 E9FFD3

 FFFFF0

 477638

 477638

 3E762C

 507644

■ 357620

■ 597650

■ 2C7615

■ 62765B

■ 237609

■ 6B7667

■ 1D7600

■ 747673

■ 7D767F

■ 86768B

■ 8F7696

■ 9876A2

# Harmonies

## Analogous

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



6D6E24



477638



007A58

# Triad

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



477638



0073AC



AA4D5B

# Complementary

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



477638



673876

# 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.



A04F7D



477638



4D68AD

# Square

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



477638



00799A



825B9B



A2563C

# Rectangle

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



477638



007B6F



825B9B



A94C66



# Sweetspot

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



477638



869981



766638



414D3E



CCCCCC



4D4D4D



# Same Dimension

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



477638



509939



387647



363B35



1E7A00



3CFA00



# Inverse Universe

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



673876



823999



763866



39353B



5D007A



BD00FA



# Previews

## White Background



This preview shows how the Hex color 477638 looks on a white background.

## Color Contrast Check

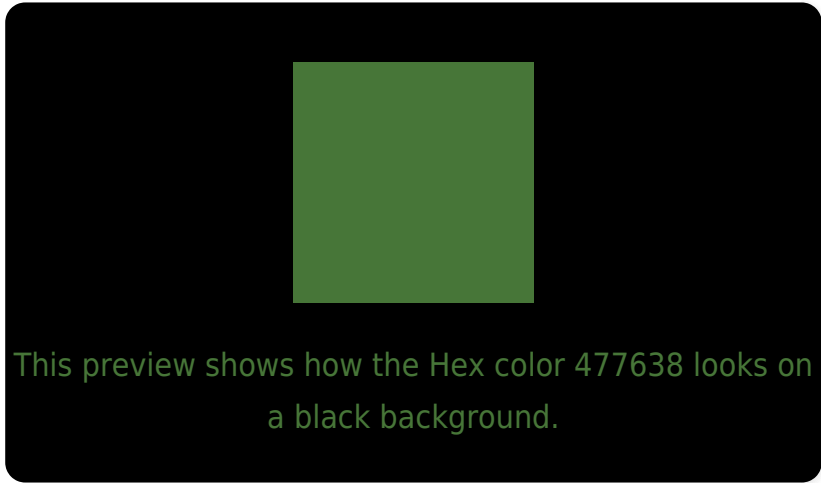
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

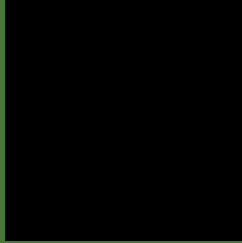
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 477638 Background



This preview shows how black text looks on a background with the Hex color 477638.



This preview shows how white text looks on a background with the Hex color 477638.

# 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**  
477638

**Protanopia**  
756A34

**Deuteranopia**  
81653C



**Tritanopia**  
526F78

# Trichromacy



**Original Color**  
477638

**Protanomaly**  
646E35

**Deuteranomaly**  
6C6B3B

**Tritanomaly**  
4E7261

# Monochromacy



**Original Color**  
477638

**Achromatopsia**  
616161

**Achromatomaly**  
586952

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 477638 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 #477638 looks like.

```
.text, #text, p{  
    color:#477638  
}
```

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 #477638 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #477638
}
```

## Border

The CSS property to change the border of an element to Hex 477638 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".

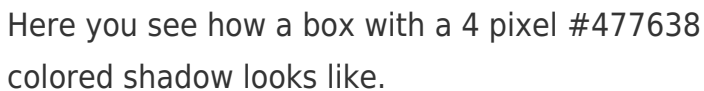
```
.border, #border, table{ border:4px solid
#477638 }
```

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

```
.border{ border-color:#477638 }
```

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

Here you see how a box with a 4 pixel #477638 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #477638; -webkit-box-shadow:4px 4px  
4px 4px #477638; box-shadow:4px 4px 4px  
4px #477638 }
```

# Background

The CSS property to change the background color of an element to Hex 477638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#477638 }
```

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

```
.background{ background-color:#477638 }
```

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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