

# Converting Colors

Hex(476E49)

Have a look what the booklet for  
Hex(476E49) contains.

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# Color

**Hex(476E49)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	476E49
RGB	71, 110, 73
RGB Percent	28%, 43%, 29%
CMY	0.7216, 0.5686, 0.7137
CMYK	0.35, 0.00, 0.34, 0.57
HSL	123°, 22%, 35%
HSV	123°, 35%, 43%
XYZ	9.3771, 12.9725, 8.3130
YIQ	94.1210, -11.3670, -19.7750

# Conversions

## Conversions Part 2

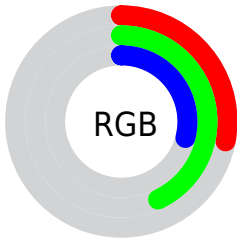
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 108, 110
Decimal	4681289
CIELab	42.72, -22.08, 16.40
CIElCh	43, 27.500, 143.393
Yxy	12.9725, 0.3058, 0.4231
Android (android.graphics.Color)	4282871369 (0xFF476E49)
YUV	94.1210, -10.4127, -20.2771
Hunter-Lab	36.0173, -16.5582, 11.5276

# Details

The Hex color **476E49** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6E476C**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **79A27A**, and **183E1D** is the 20% darker color. If you saturate the color by 10%, you get **3C6E3F**, and if you desaturate by 10%, it is **526E53**.

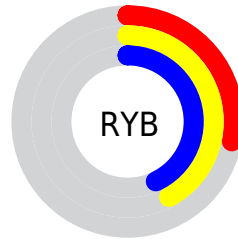
# Distribution



Red (28%)

Green (43%)

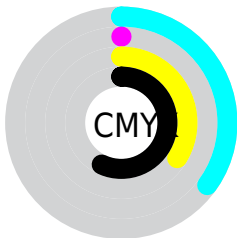
Blue (29%)



Red (28%)

Yellow (42%)

Blue (43%)

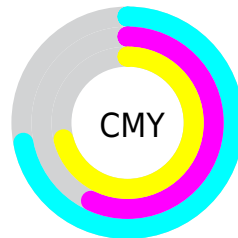


Cyan (35%)

Magenta (0%)

Yellow (34%)

Black (57%)



Cyan (72%)

Magenta (57%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 476E49 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 476E49 by changing the saturation by 10% instead.





476E49



476E49

FFFFFF



2F5532



79A27A



183E1D



93BD94



022805



AED9AE



001100



CAF5CA



000000



E6FFE6



476E49



476E49



3C6E3F



526E53



316E34



5D6E5E

■ 266E2A

■ 686E68

■ 1B6E1F

■ 736E73

■ 106E15

■ 7E6E7D

■ 056E0A

■ 896E88

■ 006E06

■ 946E92

■ 9F6E9C

■ AA6EA7

# Harmonies

## Analogous

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



62693A



476E49



27715F

# Triad

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



476E49



396992



915454

# Complementary

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



476E49



6E476C

# 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.



8D536B



476E49



60618E

# Square

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



476E49



006E89



7D5980



895A41

# Rectangle

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



476E49



06716F



7D5980



91535B



# Sweetspot

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



476E49



7F8F80



6C6E47



3E473F



C7C7C7



474747



# Same Dimension

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



476E49



518F55



476E5C



323833



007806



00F70D



# Inverse Universe

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



6E476C



8F518C



6E4759



383238



780072

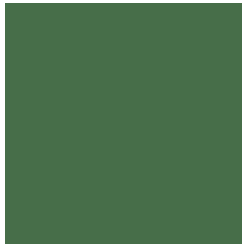


F700EB



# Previews

## White Background



This preview shows how the Hex color 476E49 looks on a white background.

## Color Contrast Check

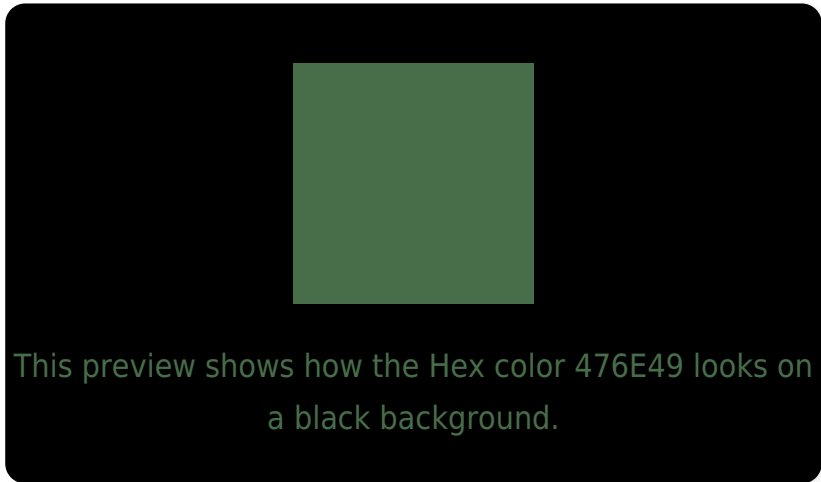
Large Text (above 18pt) WCAG AA ✓ Pass

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

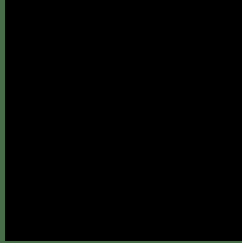
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 476E49 Background



This preview shows how black text looks on a background with the Hex color 476E49.



This preview shows how white text looks on a background with the Hex color 476E49.

# 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**  
476E49

**Protanopia**  
6D6445

**Deuteranopia**  
76604C



**Tritanopia**  
4F6971

# Trichromacy



**Original Color**  
476E49

**Protanomaly**  
5F6846

**Deuteranomaly**  
65654B

**Tritanomaly**  
4C6B62

# Monochromacy



**Original Color**  
476E49

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
566456

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 476E49 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 #476E49 looks like.

```
.text, #text, p{  
    color:#476E49  
}
```

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 #476E49 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #476E49
}
```

## Border

The CSS property to change the border of an element to Hex 476E49 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".

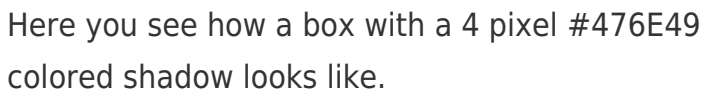
```
.border, #border, table{ border:4px solid
#476E49 }
```

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

```
.border{ border-color:#476E49 }
```

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

Here you see how a box with a 4 pixel #476E49 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #476E49; -webkit-box-shadow:4px 4px  
4px 4px #476E49; box-shadow:4px 4px 4px  
4px #476E49 }
```

# Background

The CSS property to change the background color of an element to Hex 476E49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#476E49 }
```

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

```
.background{ background-color:#476E49 }
```

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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