

# Converting Colors

Hex(476800)

Have a look what the booklet for  
Hex(476800) contains.

<b>Hex(476800)</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(476800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	476800
RGB	71, 104, 0
RGB Percent	28%, 41%, 0%
CMY	0.7216, 0.5922, 1.0000
CMYK	0.32, 0.00, 1.00, 0.59
HSL	79°, 100%, 20%
HSV	79°, 100%, 41%
XYZ	7.5488, 11.2402, 1.7717
YIQ	82.2770, 13.7160, -39.3400

# Conversions

## Conversions Part 2

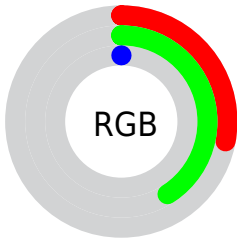
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 104, 33
Decimal	4679680
CIELab	39.98, -26.38, 45.84
CIELCh	40, 52.888, 119.918
Yxy	11.2402, 0.3671, 0.5467
Android (android.graphics.Color)	4282869760 (0xFF476800)
YUV	82.2770, -40.5626, -9.8899
Hunter-Lab	33.5264, -18.4800, 20.3353

# Details

The Hex color **476800** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **210068**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **7B9B3B**, and **133900** is the 20% darker color. If you saturate the color by 10%, you get **476800**, and if you desaturate by 10%, it is **4A680A**.

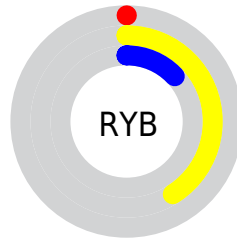
# Distribution



Red (28%)

Green (41%)

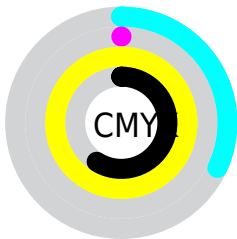
Blue (0%)



Red (0%)

Yellow (41%)

Blue (13%)

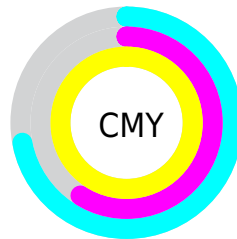


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (72%)

Magenta (59%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 476800 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 476800 by changing the saturation by 10% instead.



 476800

 476800

 FFFFF8

 2E5000

 7B9B3B

 133900

 96B654

 002300

 B2D26E

 000000

 CEEE88

 EBFFA3

 FFFFBF

 FFFFDB

 476800

 4A680A

 4E6815


 51681F

 54682A

 586834

 5B683E

 5E6849

 616853

 65685E

# Harmonies

## Analogous

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



725C00



476800



006F30

# Triad

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



476800



006DA9



A82F60

# Complementary

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



476800



210068

# 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.



913D8A



476800



0064B5

# Square

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



476800



007188



5B53AA



A73736

# Rectangle

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



476800



00714E



5B53AA



A4326F



# Sweetspot

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



476800



7A875F



682100



3D452C



C4C4C4



454545



# Same Dimension

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



476800



5C8700



136800



31332E



4E7300



A5F200



# Inverse Universe

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



210068



2B0087



550068



302E33



240073

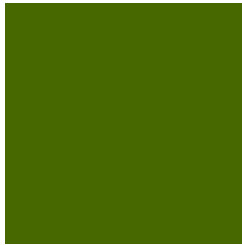


4D00F2



# Previews

## White Background



This preview shows how the Hex color 476800 looks on a white background.

## Color Contrast Check

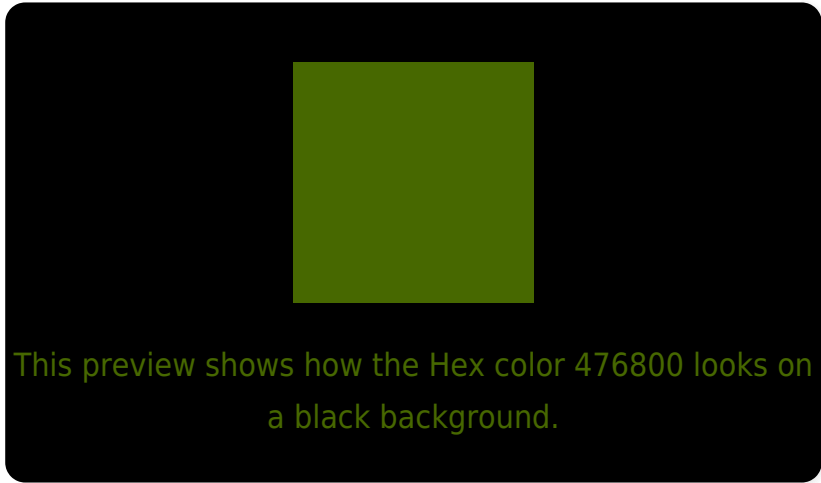
Large Text (above 18pt) WCAG AA ✓ Pass

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

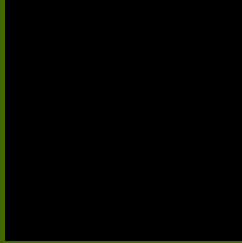
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 476800 Background



This preview shows how black text looks on a background with the Hex color 476800.



This preview shows how white text looks on a background with the Hex color 476800.

# 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**  
476800

**Protanopia**  
6A5E00

**Deuteranopia**  
775914



**Tritanopia**  
516168

# Trichromacy



**Original Color**  
476800

**Protanomaly**  
5D6200

**Deuteranomaly**  
665E0D

**Tritanomaly**  
4D6442

# Monochromacy



**Original Color**  
476800

**Achromatopsia**  
525252

**Achromatomaly**  
4E5A34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 476800 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 #476800 looks like.

```
.text, #text, p{  
    color:#476800  
}
```

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 #476800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #476800
}
```

## Border

The CSS property to change the border of an element to Hex 476800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

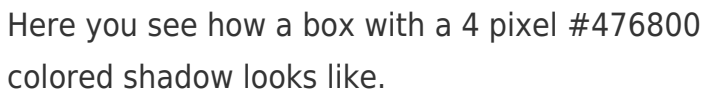
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#476800 }
```

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

```
.border{ border-color:#476800 }
```

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



Here you see how a box with a 4 pixel #476800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #476800; -webkit-box-shadow:4px 4px  
4px 4px #476800; box-shadow:4px 4px 4px  
4px #476800 }
```

# Background

The CSS property to change the background color of an element to Hex 476800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#476800 }
```

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

```
.background{ background-color:#476800 }
```

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