

# Converting Colors

Hex(768E46)

Have a look what the booklet for  
Hex(768E46) contains.

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**Color**

**Hex(768E46)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	768E46
RGB	118, 142, 70
RGB Percent	46%, 56%, 27%
CMY	0.5373, 0.4431, 0.7255
CMYK	0.17, 0.00, 0.51, 0.44
HSL	80°, 34%, 42%
HSV	80°, 51%, 56%
XYZ	18.2497, 23.6398, 9.3954
YIQ	126.6160, 8.8080, -27.4800

# Conversions

## Conversions Part 2

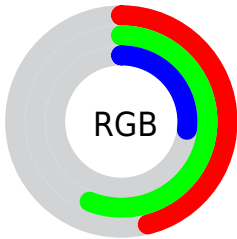
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 142, 94
Decimal	7769670
CIELab	55.73, -20.71, 35.29
CIELCh	56, 40.913, 120.407
Yxy	23.6398, 0.3558, 0.4609
Android (android.graphics.Color)	4285959750 (0xFF768E46)
YUV	126.6160, -27.9117, -7.5562
Hunter-Lab	48.6207, -18.0866, 22.5774

# Details

The Hex color **768E46** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **5E468E**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **ACC478**, and **435C16** is the 20% darker color. If you saturate the color by 10%, you get **718E38**, and if you desaturate by 10%, it is **7B8E54**.

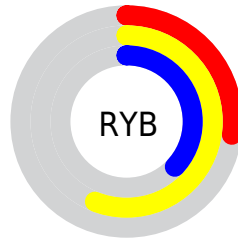
# Distribution



Red (46%)

Green (56%)

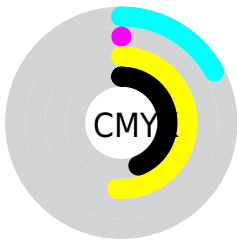
Blue (27%)



Red (27%)

Yellow (56%)

Blue (37%)

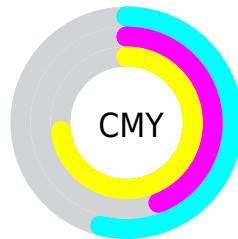


Cyan (17%)

Magenta (0%)

Yellow (51%)

Black (44%)



Cyan (54%)

Magenta (44%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 768E46 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 768E46 by changing the saturation by 10% instead.





768E46



768E46

FFFFFF



5C742E



ACC478



435C16



C7E092



2B4400



E4FCAD



142E00



FFFFC9



001B00



FFFFE5



000000



768E46



768E46



718E38



7B8E54



6D8E2A



7F8E62

■ 688E1B

■ 848E71

■ 638E0D

■ 898E7F

■ 5F8E00

■ 8E8E8D

■ 928E9B

■ 978EA9

■ 9C8EB8

■ A18EC6

# Harmonies

## Analogous

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



9A843C



768E46



499561

# Triad

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



768E46



0092C3



C66886

# Complementary

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



768E46



5E468E

# 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.



B26FA9



768E46



4889CC

# Square

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



768E46



0097A8



897CC3



C76C63

# Rectangle

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



768E46



149778



897CC3



C26992



# Sweetspot

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



768E46



AEB89C



8E5E46



565C4B



DBDBDB



5C5C5C



# Same Dimension

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



768E46



92B848



528E46



454740



5A8700



050800



# Inverse Universe

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



5E468E



6D48B8



82468E



434047



2D0087



030008



# Previews

## White Background



This preview shows how the Hex color 768E46 looks on a white background.

## Color Contrast Check

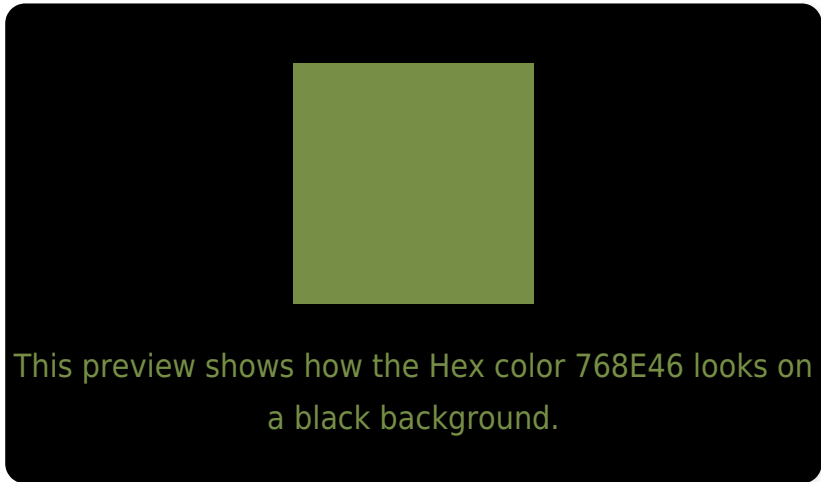
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 768E46 Background



This preview shows how black text looks on a background with the Hex color 768E46.



This preview shows how white text looks on a background with the Hex color 768E46.

# 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**  
768E46

**Protanopia**  
938543

**Deuteranopia**  
A37F4A



**Tritanopia**  
7F8690

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 768E46 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 #768E46 looks like.

```
.text, #text, p{  
    color:#768E46  
}
```

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 #768E46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #768E46  
}
```

## Border

The CSS property to change the border of an element to Hex 768E46 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  
#768E46 }
```

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

```
.border{ border-color:#768E46 }
```

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

Here you see how a box with a 4 pixel #768E46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #768E46; -webkit-box-shadow:4px 4px  
4px 4px #768E46; box-shadow:4px 4px 4px  
4px #768E46 }
```

# Background

The CSS property to change the background color of an element to Hex 768E46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#768E46 }
```

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

```
.background{ background-color:#768E46 }
```

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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