

Converting Colors

Hex(678A46)

Have a look what the booklet for
Hex(678A46) contains.

Hex(678A46)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(678A46)

Conversions

Conversions Part 1

Format	Color
Hex	678A46
RGB	103, 138, 70
RGB Percent	40%, 54%, 27%
CMY	0.5961, 0.4588, 0.7255
CMYK	0.25, 0.00, 0.49, 0.46
HSL	91°, 33%, 41%
HSV	91°, 49%, 54%
XYZ	15.7875, 21.5027, 9.1127
YIQ	119.7830, 0.9680, -28.5680

Conversions

Conversions Part 2

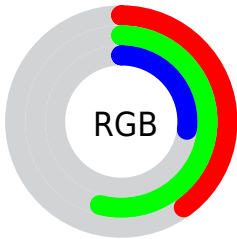
Format	Color
R_{YB}	70, 138, 105
Decimal	6785606
CIE _{Lab}	53.50, -24.70, 32.34
CIE _{LCh}	53, 40.690, 127.374
Yxy	21.5027, 0.3402, 0.4634
Android (android.graphics.Color)	4284975686 (0xFF678A46)
YUV	119.7830, -24.5430, -14.7187
Hunter-Lab	46.3710, -20.3771, 20.8082

Details

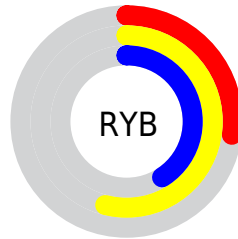
The Hex color **678A46** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **69468A**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **9CC078**, and **355817** is the 20% darker color. If you saturate the color by 10%, you get **608A38**, and if you desaturate by 10%, it is **6E8A54**.

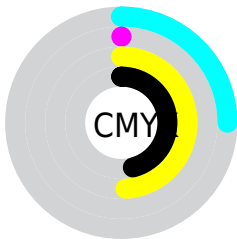
Distribution



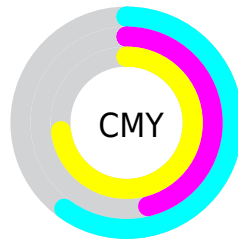
- Red (40%)
- Green (54%)
- Blue (27%)



- Red (27%)
- Yellow (54%)
- Blue (41%)



- Cyan (25%)
- Magenta (0%)
- Yellow (49%)
- Black (46%)



- Cyan (60%)
- Magenta (46%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 678A46 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 678A46 by changing the saturation by 10% instead.



678A46



678A46

FFFFFF



4E702E



9CC078



355817



B7DC92



1D4000



D3F8AD



042A00



F0FFC8



001500



FFFFE5



000000



678A46



678A46



608A38



6E8A54



598A2A



758A62

 528A1D

 7C8A6F

 4B8A0F

 838A7D

 438A01

 8B8A8B

 438A00

 928A99

 998AA7

 A08AB4

 A78AC2

Harmonies

Analogous

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



8C8138



678A46



359064

Triad

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



678A46



008BC0



C16278

Complementary

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



678A46



69468A

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.



B2679B



678A46



5481C5

Square

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



678A46



0090A9



8E73B8



BD6857

Rectangle

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



678A46



00917B



8E73B8



BE6384

Sweetspot

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



678A46



A5B398



8A6846



515949



D9D9D9



595959

Same Dimension

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



678A46



7CB349



468A46



41453E



408500



020500

Inverse Universe

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



69468A



7F49B3



8A468A



423E45



440085



030005

Previews

White Background



This preview shows how the Hex color 678A46 looks on a white background.

Color Contrast Check

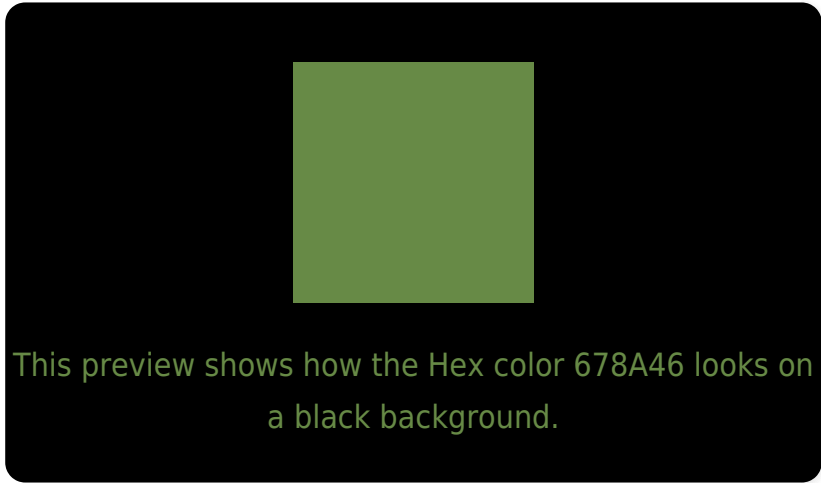
Large Text (above 18pt) WCAG AA ✓ Pass

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

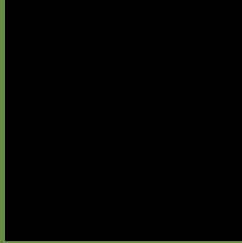
Any Text WCAG AA ✓ Pass

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 678A46 Background



This preview shows how black text looks on a background with the Hex color 678A46.



This preview shows how white text looks on a background with the Hex color 678A46.

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](#).

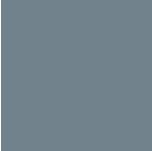
Dichromacy



Original Color
678A46

Protanopia
8D8042

Deuteranopia
9B7A4A

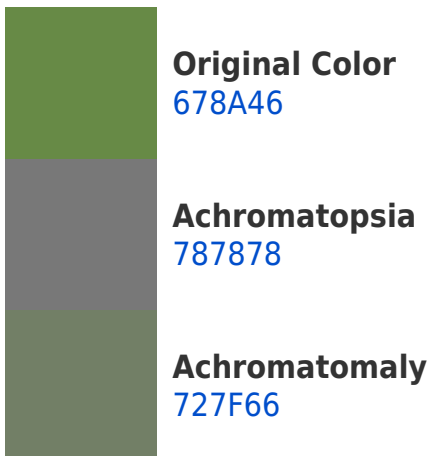


Tritanopia
71828D

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 678A46 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 #678A46 looks like.

```
.text, #text, p{  
    color:#678A46  
}
```

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 #678A46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #678A46
}
```

Border

The CSS property to change the border of an element to Hex 678A46 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
#678A46 }
```

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

```
.border{ border-color:#678A46 }
```

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

Here you see how a box with a 4 pixel #678A46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #678A46; -webkit-box-shadow:4px 4px  
4px 4px #678A46; box-shadow:4px 4px 4px  
4px #678A46 }
```

Background

The CSS property to change the background color of an element to Hex 678A46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#678A46 }
```

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

```
.background{ background-color:#678A46 }
```

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