

# Converting Colors

Hex(58700E)

Have a look what the booklet for  
Hex(58700E) contains.

<b>Hex(58700E)</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(58700E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	58700E
RGB	88, 112, 14
RGB Percent	35%, 44%, 5%
CMY	0.6549, 0.5608, 0.9451
CMYK	0.21, 0.00, 0.87, 0.56
HSL	75°, 78%, 25%
HSV	75°, 87%, 44%
XYZ	9.8979, 13.6948, 2.5371
YIQ	93.6520, 17.1540, -35.5660

# Conversions

## Conversions Part 2

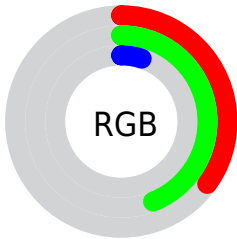
<b>Format</b>	<b>Color</b>
<b>RYB</b>	14, 112, 38
Decimal	5795854
CIELab	43.79, -22.49, 45.96
CIELCh	44, 51.171, 116.069
Yxy	13.6948, 0.3788, 0.5241
Android (android.graphics.Color)	4283985934 (0xFF58700E)
YUV	93.6520, -39.2684, -4.9568
Hunter-Lab	37.0064, -17.0187, 21.8396

# Details

The Hex color **58700E** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **260E70**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **8DA444**, and **264000** is the 20% darker color. If you saturate the color by 10%, you get **557003**, and if you desaturate by 10%, it is **5B7019**.

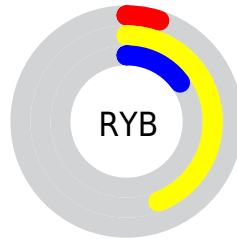
# Distribution



Red (35%)

Green (44%)

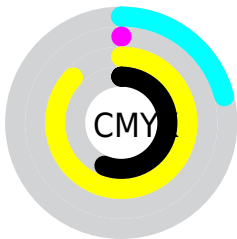
Blue (5%)



Red (5%)

Yellow (44%)

Blue (15%)

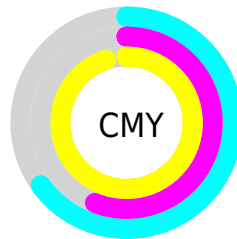


Cyan (21%)

Magenta (0%)

Yellow (87%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 58700E 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 58700E by changing the saturation by 10% instead.





58700E



58700E

FFFFFF



3E5800



8DA444



264000



A8BF5E



0B2A00



C4DB78



001600



E1F792



000000



FEFFAE



FFFPCA



FFFFE6



58700E



58700E

■ 557003

■ 5B7019

■ 557000

■ 5D7024

■ 607030

■ 63703B

■ 667046

■ 687051

■ 6B705C

■ 6E7068

■ 717073

# Harmonies

## Analogous

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



816400



58700E



147735

# Triad

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



58700E



0077AE



B03D6F

# Complementary

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



58700E



260E70

# 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.



954B98



58700E



006EBC

# Square

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



58700E



007B8C



5C5FB4



B24145

# Rectangle

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



58700E



007A52



5C5FB4



AA407D



# Sweetspot

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



58700E



88916C



70250E



444A33



C9C9C9



4A4A4A



# Same Dimension

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



58700E



6E9100



28700E



373832



5A7800



BBF700



# Inverse Universe

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



260E70



240091



560E70



343238



1D0078



3D00F7



# Previews

## White Background



This preview shows how the Hex color 58700E looks on a white background.

## Color Contrast Check

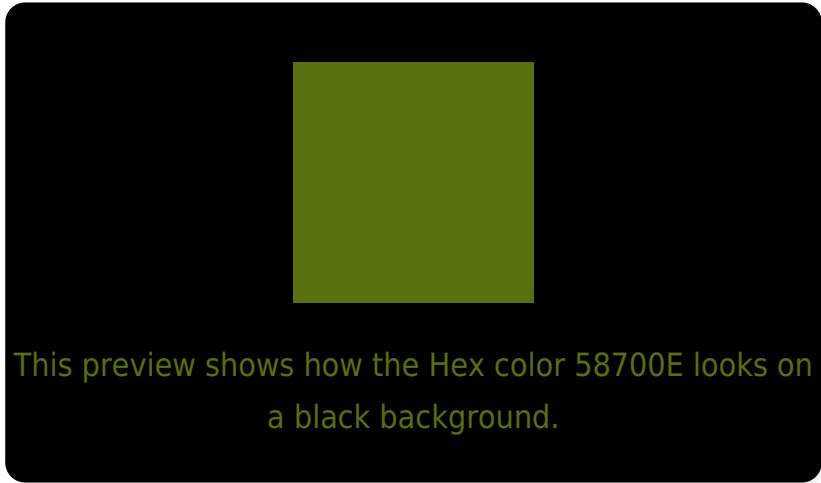
Large Text (above 18pt) WCAG AA ✓ Pass

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 58700E Background



This preview shows how black text looks on a background with the Hex color 58700E.



This preview shows how white text looks on a background with the Hex color 58700E.

# 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**  
58700E

**Protanopia**  
75680B

**Deuteranopia**  
826218



**Tritanopia**  
616870

# Trichromacy



**Original Color**  
58700E

**Protanomaly**  
6A6B0C

**Deuteranomaly**  
736714

**Tritanomaly**  
5E6B4C

# Monochromacy



**Original Color**  
58700E

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
5C6541

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 58700E 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 #58700E looks like.

```
.text, #text, p{  
    color:#58700E  
}
```

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 #58700E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #58700E
}
```

## Border

The CSS property to change the border of an element to Hex 58700E is called "border". The border property can be set on classes, ids or directly on the HTML element.

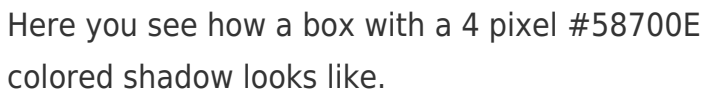
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#58700E }
```

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

```
.border{ border-color:#58700E }
```

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



Here you see how a box with a 4 pixel #58700E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #58700E; -webkit-box-shadow:4px 4px  
4px 4px #58700E; box-shadow:4px 4px 4px  
4px #58700E }
```

# Background

The CSS property to change the background color of an element to Hex 58700E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#58700E }
```

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

```
.background{ background-color:#58700E }
```

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