

# Converting Colors

Hex(647E22)

Have a look what the booklet for  
Hex(647E22) contains.

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**Color**

**Hex(647E22)**

# Conversions

## Conversions Part 1

Format	Color
Hex	647E22
RGB	100, 126, 34
RGB Percent	39%, 49%, 13%
CMY	0.6078, 0.5059, 0.8667
CMYK	0.21, 0.00, 0.73, 0.51
HSL	77°, 58%, 31%
HSV	77°, 73%, 49%
XYZ	13.0051, 17.7465, 4.2534
YIQ	107.7380, 14.0360, -34.1240

# Conversions

## Conversions Part 2

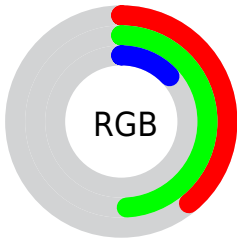
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 126, 60
Decimal	6585890
CIELab	49.19, -23.33, 44.53
CIElCh	49, 50.272, 117.651
Yxy	17.7465, 0.3715, 0.5070
Android (android.graphics.Color)	4284775970 (0xFF647E22)
YUV	107.7380, -36.3528, -6.7862
Hunter-Lab	42.1266, -18.6160, 23.5024

# Details

The Hex color **647E22** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3C227E**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **99B355**, and **314D00** is the 20% darker color. If you saturate the color by 10%, you get **607E15**, and if you desaturate by 10%, it is **687E2F**.

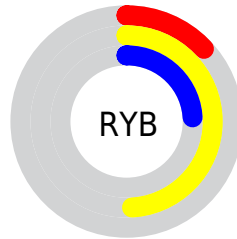
# Distribution



Red (39%)

Green (49%)

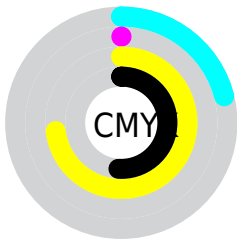
Blue (13%)



Red (13%)

Yellow (49%)

Blue (24%)

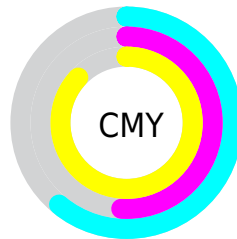


Cyan (21%)

Magenta (0%)

Yellow (73%)

Black (51%)



Cyan (61%)

Magenta (51%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 647E22 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 647E22 by changing the saturation by 10% instead.





647E22



647E22

FFFFFF



4A6503



99B355



314D00



B5CE6F



183600



D1EB89



002100



EEFFA4



000000



FFFFC0



FFFFDC



FFFFF9



647E22



647E22

■ 607E15

■ 687E2F

■ 5D7E09

■ 6B7E3B

■ 5A7E00

■ 6F7E48

■ 727E54

■ 767E61

■ 797E6E

■ 7D7E7A

■ 807E87

■ 847E93

# Harmonies

## Analogous

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



8E7216



647E22



268545

# Triad

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



647E22



0085BC



BF4D7A

# Complementary

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



647E22



3C227E

# 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.



A559A3



647E22



007BCA

# Square

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



647E22



00899B



6F6BC1



C05150

# Rectangle

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



647E22



008861



6F6BC1



B94F88



# Sweetspot

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



647E22



99A37F



7E3B22



4C523C



D1D1D1



525252



# Same Dimension

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



647E22



7BA314



377E22



3E4039



5B8000



000000



# Inverse Universe

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



3C227E



3C14A3



69227E



3B3940



240080



000000



# Previews

## White Background



This preview shows how the Hex color 647E22 looks on a white background.

## Color Contrast Check

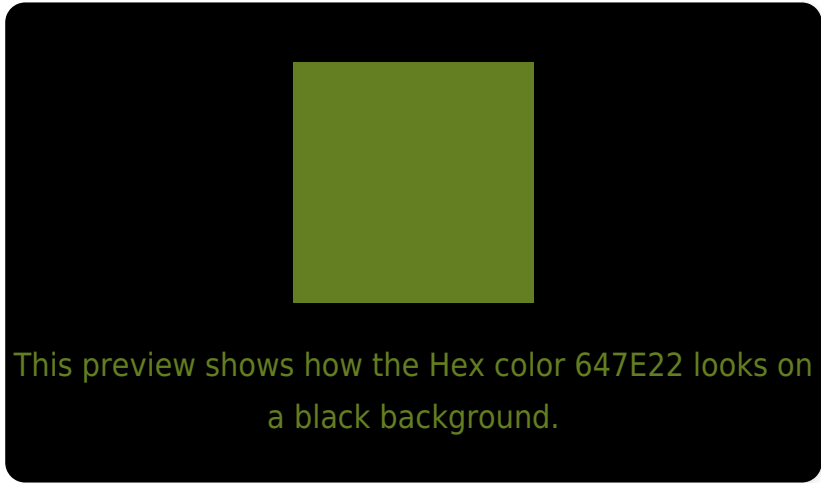
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 647E22 Background



This preview shows how black text looks on a background with the Hex color 647E22.



This preview shows how white text looks on a background with the Hex color 647E22.

# 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](#).

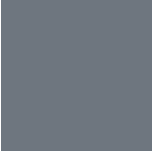
## Dichromacy



**Original Color**  
647E22

**Protanopia**  
837520

**Deuteranopia**  
926F28



**Tritanopia**  
6E767F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 647E22 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 #647E22 looks like.

```
.text, #text, p{  
    color:#647E22  
}
```

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 #647E22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #647E22
}
```

## Border

The CSS property to change the border of an element to Hex 647E22 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
#647E22 }
```

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

```
.border{ border-color:#647E22 }
```

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

Here you see how a box with a 4 pixel #647E22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #647E22; -webkit-box-shadow:4px 4px  
4px 4px #647E22; box-shadow:4px 4px 4px  
4px #647E22 }
```

# Background

The CSS property to change the background color of an element to Hex 647E22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#647E22 }
```

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

```
.background{ background-color:#647E22 }
```

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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