

# Converting Colors

Hex(64812E)

Have a look what the booklet for  
Hex(64812E) contains.

<b>Hex(64812E)</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(64812E)

# Conversions

## Conversions Part 1

Format	Color
Hex	64812E
RGB	100, 129, 46
RGB Percent	39%, 51%, 18%
CMY	0.6078, 0.4941, 0.8196
CMYK	0.22, 0.00, 0.64, 0.49
HSL	81°, 47%, 34%
HSV	81°, 64%, 51%
XYZ	13.5989, 18.6071, 5.4596
YIQ	110.8670, 9.3590, -31.9610

# Conversions

## Conversions Part 2

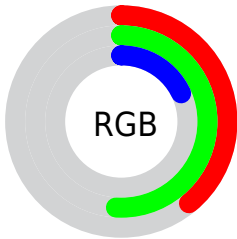
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 129, 75
Decimal	6586670
CIELab	50.22, -23.94, 40.43
CIELCh	50, 46.985, 120.629
Yxy	18.6071, 0.3610, 0.4940
Android (android.graphics.Color)	4284776750 (0xFF64812E)
YUV	110.8670, -31.9794, -9.5304
Hunter-Lab	43.1359, -19.2144, 22.6910

# Details

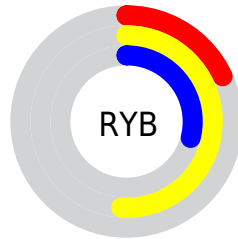
The Hex color **64812E** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4B2E81**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **99B660**, and **325000** is the 20% darker color. If you saturate the color by 10%, you get **5F8121**, and if you desaturate by 10%, it is **69813B**.

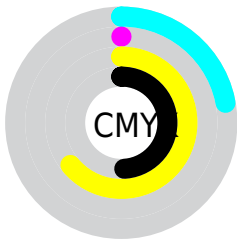
# Distribution



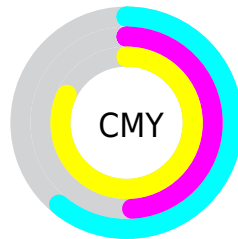
- Red (39%)
- Green (51%)
- Blue (18%)



- Red (18%)
- Yellow (51%)
- Blue (29%)



- Cyan (22%)
- Magenta (0%)
- Yellow (64%)
- Black (49%)



- Cyan (61%)
- Magenta (49%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64812E 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 64812E by changing the saturation by 10% instead.



64812E

64812E

FFFFFF

4B6814

99B660

325000

B5D27A

1A3800

D1EE94

002300

EDFFAF

000200

FFFFCB

000000

FFFFE7

64812E

64812E

5F8121

69813B

■ 5B8114

■ 6D8148

■ 568107

■ 728155

■ 548100

■ 768162

■ 7B816F

■ 7F817B

■ 848188

■ 888195

■ 8D81A2

# Harmonies

## Analogous

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



8C7621



64812E



2A884E

# Triad

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



64812E



0086BD



BF5378

# Complementary

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



64812E



4B2E81

# 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.



A95C9F



64812E



127CC7

# Square

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



64812E



008A9F



796DBD



BE5851

# Rectangle

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



64812E



008A69



796DBD



BA5586



# Sweetspot

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



64812E



9DA888



814A2E



4D5441



D4D4D4



545454



# Same Dimension

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



64812E



7BA827



3C812E



3E4039



538000



000000



# Inverse Universe

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



4B2E81



5427A8



732E81



3C3940



2D0080



000000



# Previews

## White Background



This preview shows how the Hex color 64812E looks on a white background.

## Color Contrast Check

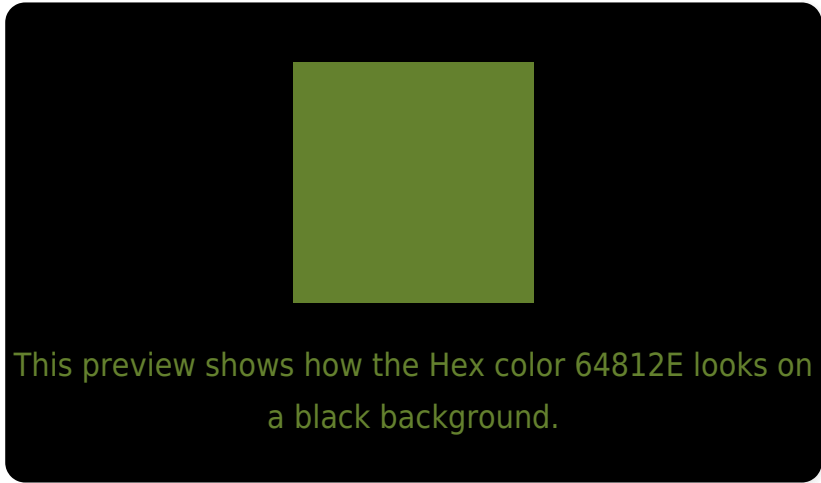
Large Text (above 18pt) WCAG AA ✓ Pass

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

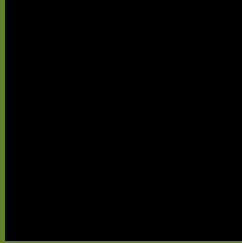
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 64812E Background



This preview shows how black text looks on a background with the Hex color 64812E.



This preview shows how white text looks on a background with the Hex color 64812E.

# 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**  
64812E

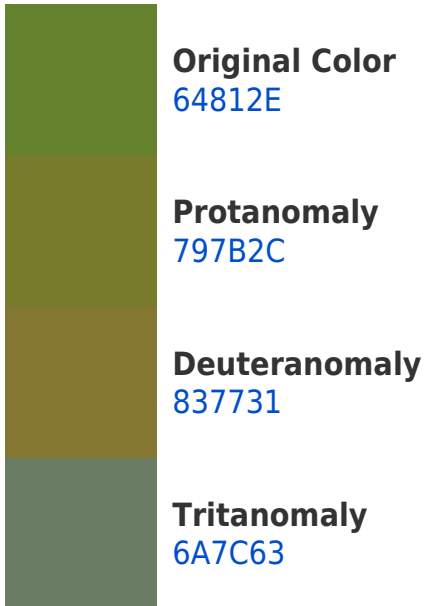
**Protanopia**  
85772B

**Deuteranopia**  
947133

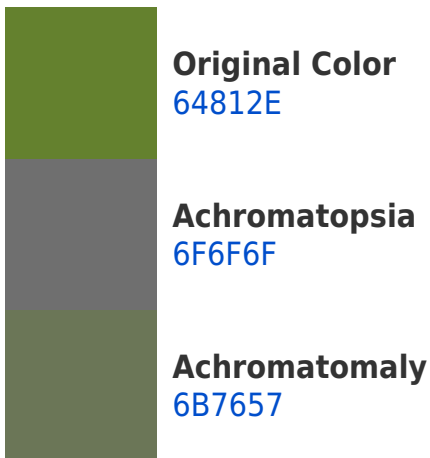


**Tritanopia**  
6E7982

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64812E 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 #64812E looks like.

```
.text, #text, p{  
    color:#64812E  
}
```

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 #64812E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64812E
}
```

## Border

The CSS property to change the border of an element to Hex 64812E 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
#64812E }
```

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

```
.border{ border-color:#64812E }
```

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

Here you see how a box with a 4 pixel #64812E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64812E; -webkit-box-shadow:4px 4px  
4px 4px #64812E; box-shadow:4px 4px 4px  
4px #64812E }
```

# Background

The CSS property to change the background color of an element to Hex 64812E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64812E }
```

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

```
.background{ background-color:#64812E }
```

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