

# Converting Colors

Hex(64402E)

Have a look what the booklet for  
Hex(64402E) contains.

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# Color

**Hex(64402E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64402E
RGB	100, 64, 46
RGB Percent	39%, 25%, 18%
CMY	0.6078, 0.7490, 0.8196
CMYK	0.00, 0.36, 0.54, 0.61
HSL	20°, 37%, 29%
HSV	20°, 54%, 39%
XYZ	7.5821, 6.5734, 3.4539
YIQ	72.7120, 27.2340, 2.0340

# Conversions

## Conversions Part 2

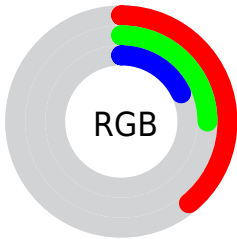
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 73, 46
Decimal	6570030
CIELab	30.82, 13.45, 17.40
CIELCh	31, 21.995, 52.307
Yxy	6.5734, 0.4306, 0.3733
Android (android.graphics.Color)	4284760110 (0xFF64402E)
YUV	72.7120, -13.1690, 23.9316
Hunter-Lab	25.6386, 7.9200, 9.9597




# Details

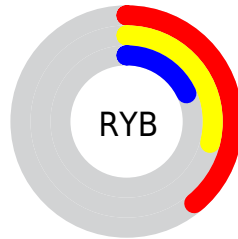
The Hex color **64402E** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **2E5264**, and the grayscale version is **494949**.




A 20% lighter version of the original color is **99705C**, and **331500** is the 20% darker color. If you saturate the color by 10%, you get **643924**, and if you desaturate by 10%, it is **644738**.

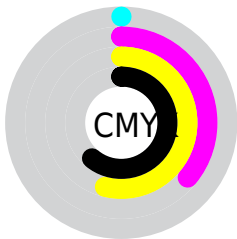
# Distribution







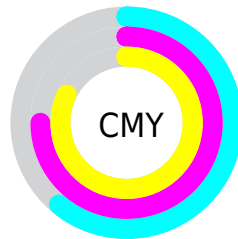
-  Red (39%)
-  Green (25%)
-  Blue (18%)






-  Red (39%)
-  Yellow (29%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (36%)
-  Yellow (54%)
-  Black (61%)



-  Cyan (61%)
-  Magenta (75%)
-  Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64402E 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 64402E by changing the saturation by 10% instead.



 64402E

 64402E

FFFFFF

 4B2A19

 99705C

 331500

 B48975

 1D0000

 D0A48E

 000000

 EDBFA9

 FFDBC4

 FFF7E0

 FFFFFD

 64402E

 64402E

■ 643924

■ 644738

■ 64331A

■ 644D42

■ 642C10

■ 64544C

■ 642506

■ 645B56

■ 642100

■ 646160

■ 64686A

■ 646F74

■ 64757E

■ 647C88

# Harmonies

## Analogous

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



6A3C3C



64402E



584626

# Triad

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



64402E



1B5143



444668

# Complementary

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



64402E



2E5264

# 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.



264C6A



64402E



005155

# Square

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



64402E



334F33



005063



5A3F5E

# Rectangle

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



64402E



4D4A26



005063



3B486A



# Sweetspot

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



64402E



82746D



642E52



423A36



C2C2C2



424242



# Same Dimension

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



64402E



824A2E



645B2E



33302E



732600



F25100



# Inverse Universe

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



2E5264



2E6682



2E3764



2E3133



004C73



00A1F2



# Previews

## White Background



This preview shows how the Hex color 64402E looks on a white background.

## Color Contrast Check

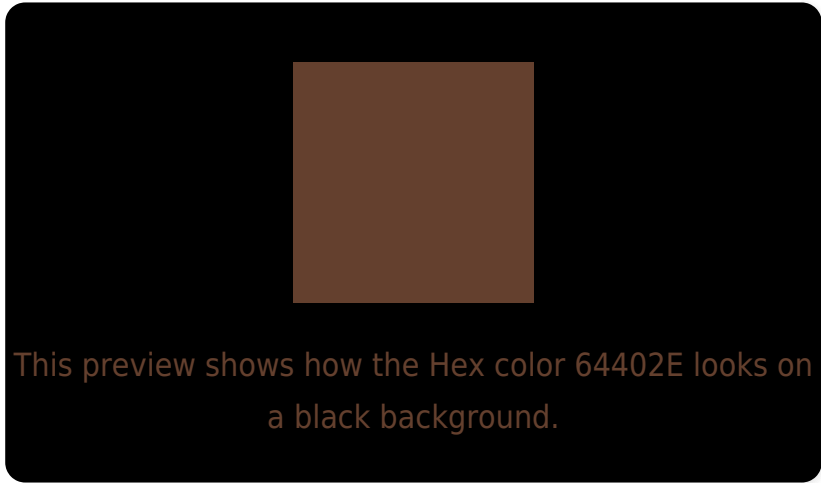
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

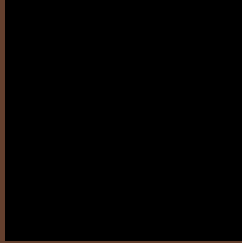
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 64402E Background



This preview shows how black text looks on a background with the Hex color 64402E.

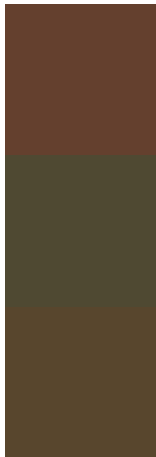


This preview shows how white text looks on a background with the Hex color 64402E.

# 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**  
64402E

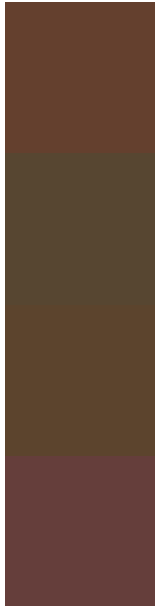
**Protanopia**  
4F4932

**Deuteranopia**  
58462D



**Tritanopia**  
663D42

# Trichromacy



**Original Color**  
64402E

**Protanomaly**  
574631

**Deuteranomaly**  
5C442D

**Tritanomaly**  
653E3B

# Monochromacy



**Original Color**  
64402E

**Achromatopsia**  
494949

**Achromatomaly**  
53463F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64402E 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 #64402E looks like.

```
.text, #text, p{  
    color:#64402E  
}
```

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 #64402E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64402E
}
```

## Border

The CSS property to change the border of an element to Hex 64402E is called "border". The border property can be set on classes, ids or directly on the HTML element.

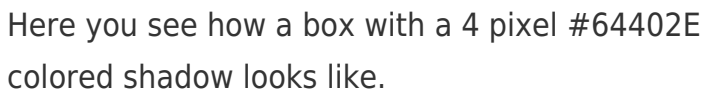
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#64402E }
```

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

```
.border{ border-color:#64402E }
```

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



Here you see how a box with a 4 pixel #64402E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64402E; -webkit-box-shadow:4px 4px  
4px 4px #64402E; box-shadow:4px 4px 4px  
4px #64402E }
```

# Background

The CSS property to change the background color of an element to Hex 64402E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64402E }
```

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

```
.background{ background-color:#64402E }
```

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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