

# Converting Colors

Hex(68401C)

Have a look what the booklet for  
Hex(68401C) contains.

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**Color**

**Hex(68401C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68401C
RGB	104, 64, 28
RGB Percent	41%, 25%, 11%
CMY	0.5922, 0.7490, 0.8902
CMYK	0.00, 0.38, 0.73, 0.59
HSL	28°, 58%, 26%
HSV	28°, 73%, 41%
XYZ	7.7519, 6.6937, 1.9820
YIQ	71.8560, 35.3960, -2.7160

# Conversions

## Conversions Part 2

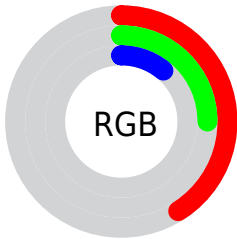
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 96, 28
Decimal	6832156
CIE <sub>Lab</sub>	31.10, 13.82, 28.59
CIE <sub>LCh</sub>	31, 31.759, 64.204
Yxy	6.6937, 0.4719, 0.4075
Android (android.graphics.Color)	4285022236 (0xFF68401C)
YUV	71.8560, -21.6210, 28.1903
Hunter-Lab	25.8722, 8.2066, 13.5683

# Details

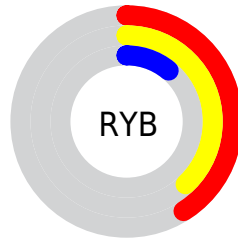
The Hex color **68401C** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **1C4468**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **9E7049**, and **351500** is the 20% darker color. If you saturate the color by 10%, you get **683B12**, and if you desaturate by 10%, it is **684526**.

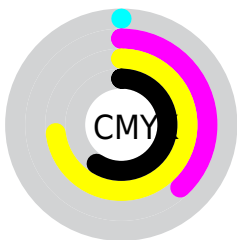
# Distribution



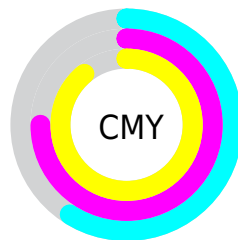
- Red (41%)
- Green (25%)
- Blue (11%)



- Red (41%)
- Yellow (38%)
- Blue (11%)



- Cyan (0%)
- Magenta (38%)
- Yellow (73%)
- Black (59%)



- Cyan (59%)
- Magenta (75%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68401C 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 68401C by changing the saturation by 10% instead.



 68401C

 68401C

FFFFFF

 4E2A04

 9E7049

 351500

 BA8962

 1E0000

 D7A47B

 000000

 F4BF95

 FFDBB0

 FFF7CB

 FFFFE7

 68401C

 68401C

■ 683B12

■ 684526

■ 683507

■ 684B31

■ 683100

■ 68503B

■ 685646

■ 685B50

■ 68615A

■ 686665

■ 686C6F

■ 68717A

# Harmonies

## Analogous

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



75372F



68401C



544915

# Triad

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



68401C



00554C



4F4172

# Complementary

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



68401C



1C4468

# 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.



1E4B7B



68401C



005564

# Square

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



68401C



145433



005176



6A385F

# Rectangle

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



68401C



434E19



005176



424577



# Sweetspot

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



68401C



877869



681C45



453B33



C4C4C4



454545



# Same Dimension

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



68401C



874910



68651C



33302E



733600



F27300



# Inverse Universe

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



1C4468



104F87



1C1F68



2E3133



003C73



007FF2



# Previews

## White Background



This preview shows how the Hex color 68401C looks on a white background.

## Color Contrast Check

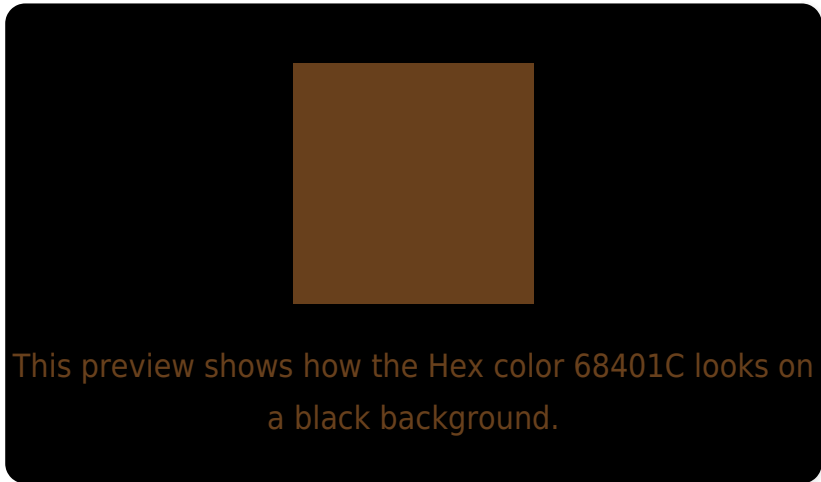
Large Text (above 18pt) WCAG AA ✓ Pass

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 68401C Background



This preview shows how black text looks on a background with the Hex color 68401C.



This preview shows how white text looks on a background with the Hex color 68401C.

# 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**  
68401C

**Protanopia**  
524A1F

**Deuteranopia**  
5C461A



**Tritanopia**  
6A3C41

# Trichromacy



**Original Color**  
68401C

**Protanomaly**  
5A461E

**Deuteranomaly**  
60441B

**Tritanomaly**  
693D34

# Monochromacy



**Original Color**  
68401C

**Achromatopsia**  
484848

**Achromatomaly**  
544538

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68401C 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 #68401C looks like.

```
.text, #text, p{  
    color:#68401C  
}
```

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 #68401C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68401C
}
```

## Border

The CSS property to change the border of an element to Hex 68401C is called "border". The border property can be set on classes, ids or directly on the HTML element.

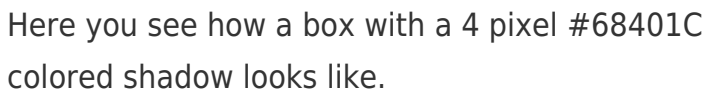
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#68401C }
```

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

```
.border{ border-color:#68401C }
```

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



Here you see how a box with a 4 pixel #68401C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68401C; -webkit-box-shadow:4px 4px  
4px 4px #68401C; box-shadow:4px 4px 4px  
4px #68401C }
```

# Background

The CSS property to change the background color of an element to Hex 68401C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68401C }
```

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

```
.background{ background-color:#68401C }
```

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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