

# Converting Colors

Hex(C46502)

Have a look what the booklet for  
Hex(C46502) contains.

<b>Hex(C46502)</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(C46502)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C46502
RGB	196, 101, 2
RGB Percent	77%, 40%, 1%
CMY	0.2314, 0.6039, 0.9922
CMYK	0.00, 0.48, 0.99, 0.23
HSL	31°, 98%, 39%
HSV	31°, 99%, 77%
XYZ	27.4296, 21.0475, 2.6743
YIQ	118.1190, 88.3990, -10.6490

# Conversions

## Conversions Part 2

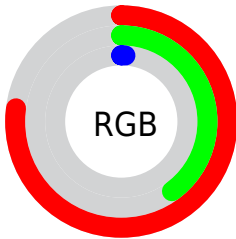
Format	Color
R <sub>Y</sub> B	188, 196, 2
Decimal	12870914
CIE Lab	53.00, 33.00, 60.83
CIE LCh	53, 69.205, 61.523
Yxy	21.0475, 0.5362, 0.4115
Android (android.graphics.Color)	4291060994 (0xFFC46502)
YUV	118.1190, -57.2467, 68.3016
Hunter-Lab	45.8776, 26.4371, 28.6581

# Details

The Hex color **C46502** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **0261C4**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **FF9941**, and **873400** is the 20% darker color. If you saturate the color by 10%, you get **C46400**, and if you desaturate by 10%, it is **C46F16**.

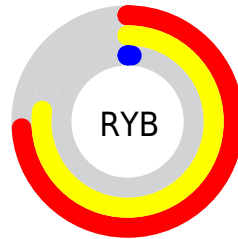
# Distribution



Red (77%)

Green (40%)

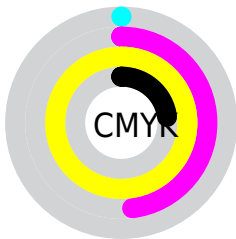
Blue (1%)



Red (74%)

Yellow (77%)

Blue (1%)

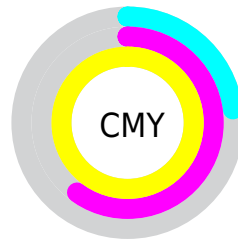


Cyan (0%)

Magenta (48%)

Yellow (99%)

Black (23%)



Cyan (23%)

Magenta (60%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C46502 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 C46502 by changing the saturation by 10% instead.



 C46502

 C46502

FFFFFF

 A54C00

 FF9941

 873400

 FFB45B

 691C00

 FFD076

 4C0100

 FFED91

 320000

 FFFFAC

 070000

 FFFFC8

 000000

 FFFF E5

 C46502

 C46502

 C46400

 C46F16

 C47829

 C4823D

 C48B50

 C49564

 C49F78

 C4A88B

 C4B29F

 C4BBB2

# Harmonies

## Analogous

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



E14844



C46502



967D00

# Triad

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



C46502



009980



7E6DE5

# Complementary

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



C46502



0261C4

# 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.



0085F7



C46502



0098BC

# Square

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



C46502



009542



0093E7



C74EB8

# Rectangle

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



C46502



708800



0093E7



5376EE



# Sweetspot

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



C46502



FFDAB3



C40263



806952



000000



808080



# Same Dimension

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



C46502



FF8200



C4C402



615C57



A15200



211100



# Inverse Universe

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



0261C4



007DFF



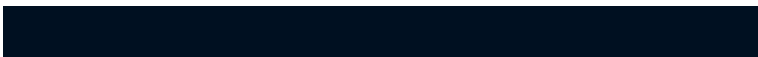
0202C4



575C61



004FA1



001021



# Previews

## White Background



This preview shows how the Hex color C46502 looks on a white background.

## Color Contrast Check

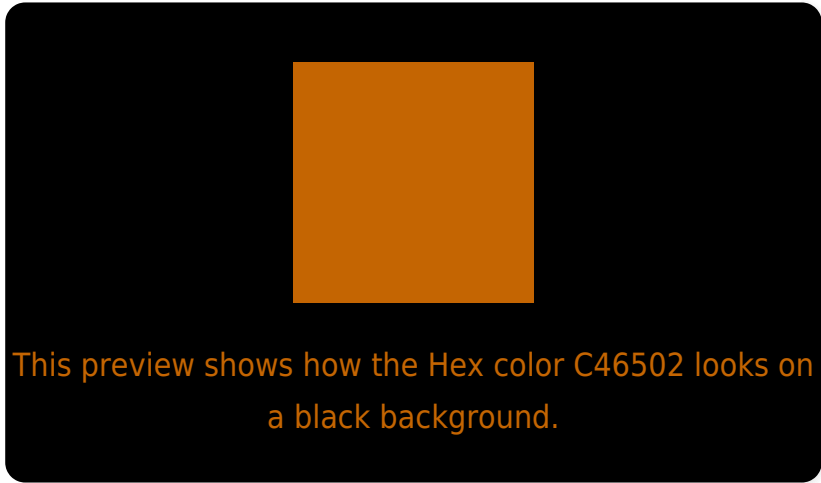
Large Text (above 18pt) WCAG AA ✓ Pass

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 C46502 Background



This preview shows how black text looks on a background with the Hex color C46502.



This preview shows how white text looks on a background with the Hex color C46502.

# 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**  
C46502

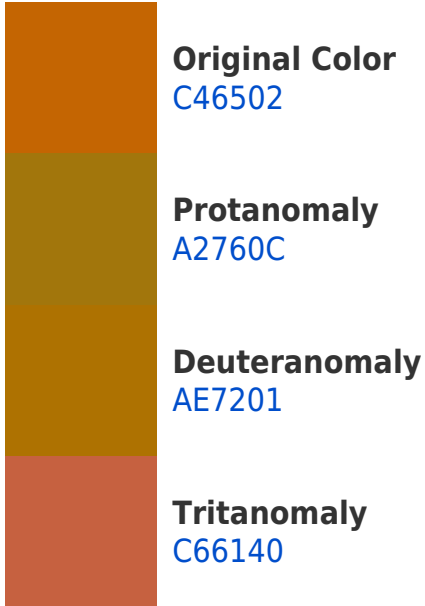
**Protanopia**  
8F8011

**Deuteranopia**  
A17900



**Tritanopia**  
C75E64

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex C46502 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 #C46502 looks like.

```
.text, #text, p{  
    color:#C46502  
}
```

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 #C46502 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C46502
}
```

## Border

The CSS property to change the border of an element to Hex C46502 is called "border". The border property can be set on classes, ids or directly on the HTML element.

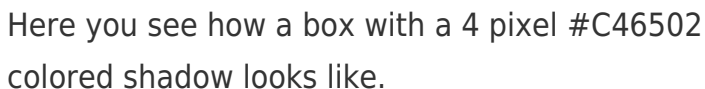
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#C46502 }
```

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

```
.border{ border-color:#C46502 }
```

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

A rectangular box with a 4px orange shadow. The box is white with a thin orange border. The shadow is a solid orange color, 4 pixels wide and 4 pixels high, extending from the bottom and right sides of the box.

Here you see how a box with a 4 pixel #C46502 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C46502; -webkit-box-shadow:4px 4px  
4px 4px #C46502; box-shadow:4px 4px 4px  
4px #C46502 }
```

# Background

The CSS property to change the background color of an element to Hex C46502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C46502 }
```

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

```
.background{ background-color:#C46502 }
```

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