

# Converting Colors

Hex(C45100)

Have a look what the booklet for  
Hex(C45100) contains.

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**Color**

**Hex(C45100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C45100
RGB	196, 81, 0
RGB Percent	77%, 32%, 0%
CMY	0.2314, 0.6824, 1.0000
CMYK	0.00, 0.59, 1.00, 0.23
HSL	25°, 100%, 38%
HSV	25°, 100%, 77%
XYZ	25.7074, 17.6206, 2.0462
YIQ	106.1510, 94.5410, -0.8110

# Conversions

## Conversions Part 2

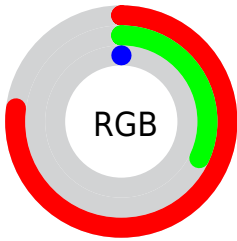
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 138, 0
Decimal	12865792
CIE <sub>Lab</sub>	49.03, 43.04, 58.95
CIE <sub>LCh</sub>	49, 72.991, 53.868
Yxy	17.6206, 0.5666, 0.3883
Android (android.graphics.Color)	4291055872 (0xFFC45100)
YUV	106.1510, -52.3324, 78.7976
Hunter-Lab	41.9769, 35.8568, 26.4937

# Details

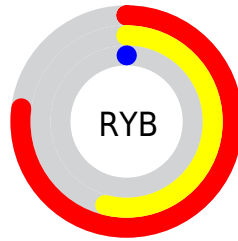
The Hex color **C45100** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **0073C4**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **FF863C**, and **861C00** is the 20% darker color. If you saturate the color by 10%, you get **C45100**, and if you desaturate by 10%, it is **C45D14**.

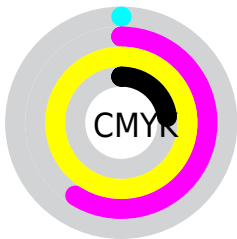
# Distribution



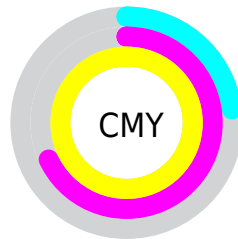
- Red (77%)
- Green (32%)
- Blue (0%)



- Red (77%)
- Yellow (54%)
- Blue (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (100%)
- Black (23%)



- Cyan (23%)
- Magenta (68%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C45100 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 C45100 by changing the saturation by 10% instead.



 C45100

 C45100

 FFFFFFFB

 A53700

 FF863C

 861C00

 FFA156

 680000

 FFBC70

 4A0000

 FFD98B

 310002

 FFF6A6

 000000

 FFFFC2

 FFFFDE

 C45100

 C45D14

 C46827

 C4743B

 C47F4E

 C48B62

 C49676

 C4A289

 C4AD9D

 C4B9B0

# Harmonies

## Analogous

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



DD2D47



C45100



986E00

# Triad

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



C45100



008E65



4D6AE7

# Complementary

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



C45100



0073C4

# 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.



0080F1



C45100



008FA5

# Square

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



C45100



008A22



008CD8



B148BF

# Rectangle

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



C45100



737B00



008CD8



0073EE



# Sweetspot

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



C45100



FFD2B3



C40076



806552



000000



808080



# Same Dimension

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



C45100



FF6900



C4B000



615B57



A14200



210E00

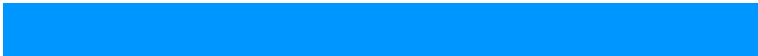


# Inverse Universe

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



0073C4



0096FF



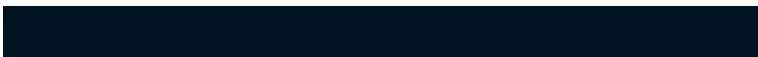
0014C4



575D61



005EA1



001321



# Previews

## White Background



This preview shows how the Hex color C45100 looks on a white background.

## Color Contrast Check

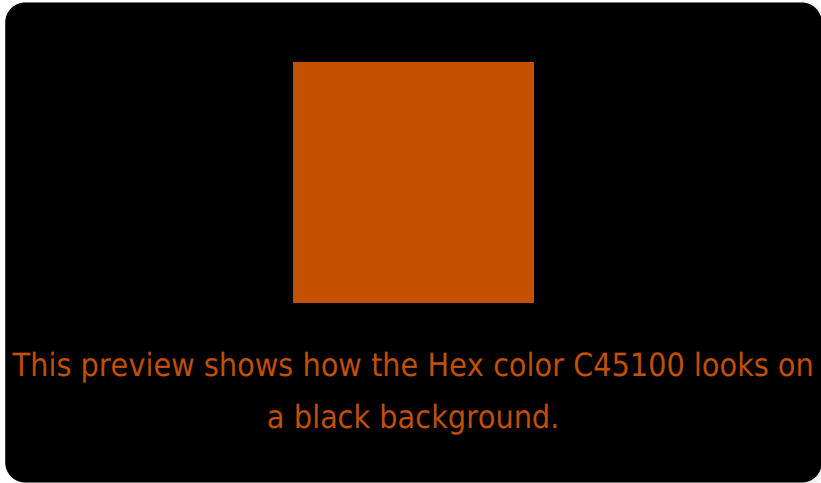
Large Text (above 18pt) WCAG AA ✓ Pass

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 C45100 Background



This preview shows how black text looks on a background with the Hex color C45100.



This preview shows how white text looks on a background with the Hex color C45100.

# 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**  
C45100

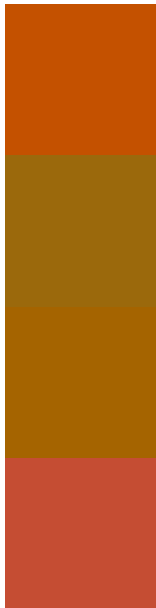
**Protanopia**  
847613

**Deuteranopia**  
946F00



**Tritanopia**  
C64B50

# Trichromacy



**Original Color**  
C45100

**Protanomaly**  
9B690C

**Deuteranomaly**  
A56400

**Tritanomaly**  
C54D33

# Monochromacy



**Original Color**  
C45100

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
8B6143

# CSS Examples

## Text

The CSS property to change the color of the text to Hex C45100 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 #C45100 looks like.

```
.text, #text, p{  
    color:#C45100  
}
```

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 #C45100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C45100
}
```

## Border

The CSS property to change the border of an element to Hex C45100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

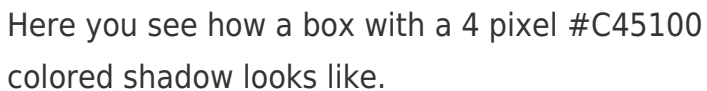
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#C45100 }
```

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

```
.border{ border-color:#C45100 }
```

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



Here you see how a box with a 4 pixel `#C45100` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C45100; -webkit-box-shadow:4px 4px  
4px 4px #C45100; box-shadow:4px 4px 4px  
4px #C45100 }
```

# Background

The CSS property to change the background color of an element to Hex C45100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C45100 }
```

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

```
.background{ background-color:#C45100 }
```

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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