

# Converting Colors

Hex(CB4411)

Have a look what the booklet for  
Hex(CB4411) contains.

<b>Hex(CB4411)</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(CB4411)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB4411
RGB	203, 68, 17
RGB Percent	80%, 27%, 7%
CMY	0.2039, 0.7333, 0.9333
CMYK	0.00, 0.67, 0.92, 0.20
HSL	16°, 85%, 43%
HSV	16°, 92%, 80%
XYZ	26.7969, 16.8712, 2.3744
YIQ	102.5510, 96.8310, 12.7590

# Conversions

## Conversions Part 2

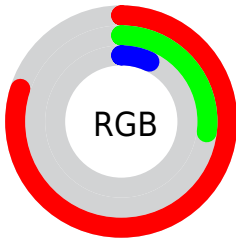
<b>Format</b>	<b>Color</b>
<b>RYB</b>	203, 87, 17
Decimal	13321233
CIELab	48.10, 51.58, 54.64
CIElCh	48, 75.134, 46.650
Yxy	16.8712, 0.5820, 0.3664
Android (android.graphics.Color)	4291511313 (0xFFCB4411)
YUV	102.5510, -42.1766, 88.0938
Hunter-Lab	41.0746, 44.5721, 25.3248

# Details

The Hex color **CB4411** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **1198CB**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **FF7A44**, and **8C0000** is the 20% darker color. If you saturate the color by 10%, you get **CB3800**, and if you desaturate by 10%, it is **CB5325**.

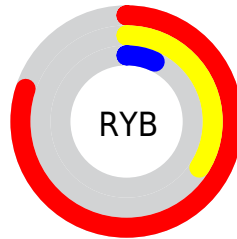
# Distribution



Red (80%)

Green (27%)

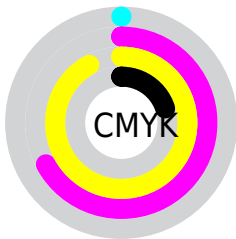
Blue (7%)



Red (80%)

Yellow (34%)

Blue (7%)

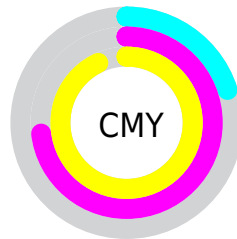


Cyan (0%)

Magenta (67%)

Yellow (92%)

Black (20%)



Cyan (20%)

Magenta (73%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB4411 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 CB4411 by changing the saturation by 10% instead.



 CB4411

 CB4411

FFFFFF

 AB2700

 FF7A44

 8C0000

 FF965E

 6D0000

 FFB277

 4F0000

 FFCE92

 340002

 FFEBAD

 010000

 FFFFC9

 000000

 FFFF E5

 CB4411

 CB4411

■ CB3800

■ CB5325

■ CB613A

■ CB704E

■ CB7F62

■ CB8E77

■ CB9C8B

■ CBAB9F

■ CBBAB3

■ CBC9C8

# Harmonies

## Analogous

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



DE1852



CB4411



A26500

# Triad

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



CB4411



008B53



006EEE

# Complementary

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



CB4411



1198CB

# 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.



0082EF



CB4411



008D95

# Square

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



CB4411



008600



008BCE



9F4DCA

# Rectangle

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



CB4411



7E7400



008BCE



0076F2



# Sweetspot

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



CB4411



FFCDBA



CB1199



806257



000000



808080



# Same Dimension

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



CB4411



FF4600



CBA011



665F5C



A62D00



260A00

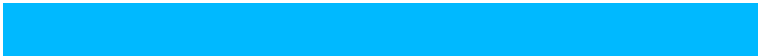


# Inverse Universe

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



1198CB



00B9FF



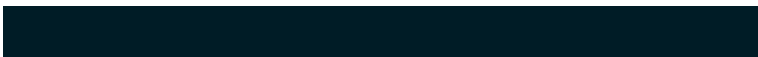
113CCB



5C6366



0078A6



001C26



# Previews

## White Background



This preview shows how the Hex color CB4411 looks on a white background.

## Color Contrast Check

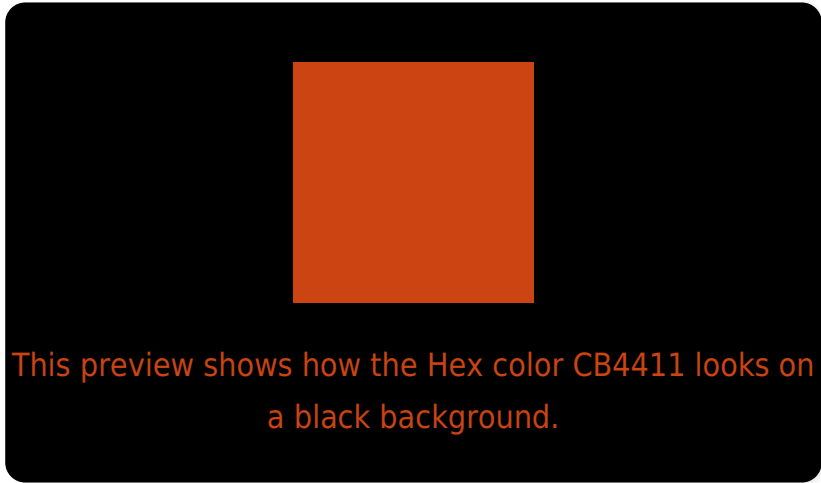
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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 CB4411 Background



This preview shows how black text looks on a background with the Hex color CB4411.

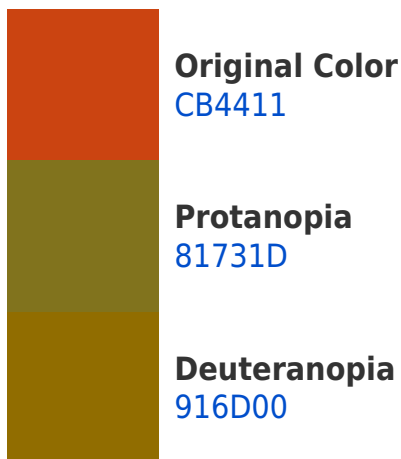


This preview shows how white text looks on a background with the Hex color CB4411.

# Color Blindness Simulation

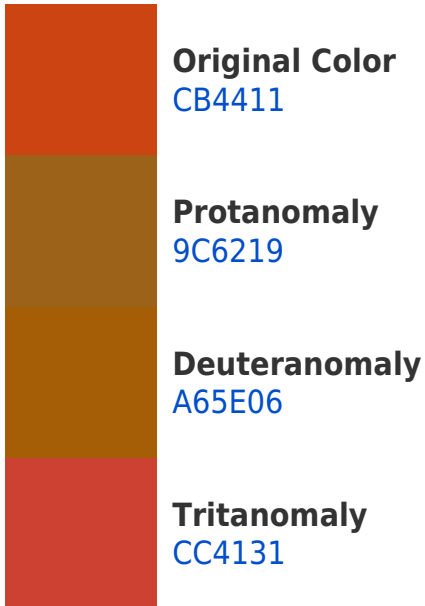
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

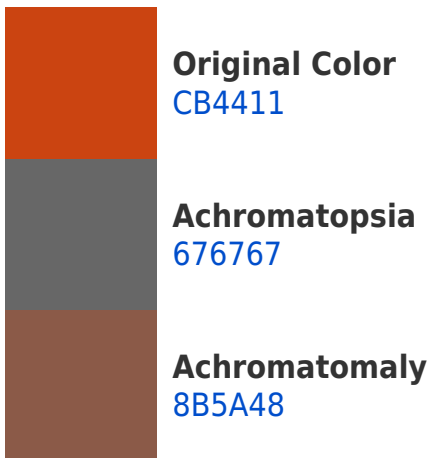




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB4411 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 #CB4411 looks like.

```
.text, #text, p{  
    color:#CB4411  
}
```

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 #CB4411 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB4411
}
```

## Border

The CSS property to change the border of an element to Hex CB4411 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
#CB4411 }
```

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

```
.border{ border-color:#CB4411 }
```

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

Here you see how a box with a 4 pixel #CB4411 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB4411; -webkit-box-shadow:4px 4px  
4px 4px #CB4411; box-shadow:4px 4px 4px  
4px #CB4411 }
```

# Background

The CSS property to change the background color of an element to Hex CB4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB4411 }
```

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

```
.background{ background-color:#CB4411 }
```

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