

# Converting Colors

Hex(CA4415)

Have a look what the booklet for  
Hex(CA4415) contains.

<b>Hex(CA4415)</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(CA4415)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA4415
RGB	202, 68, 21
RGB Percent	79%, 27%, 8%
CMY	0.2078, 0.7333, 0.9176
CMYK	0.00, 0.66, 0.90, 0.21
HSL	16°, 81%, 44%
HSV	16°, 90%, 79%
XYZ	26.5596, 16.7449, 2.5417
YIQ	102.7080, 94.9510, 13.7910

# Conversions

## Conversions Part 2

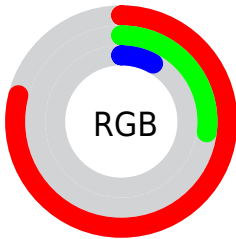
Format	Color
<a href="#">RYB</a>	<a href="#">202, 84, 21</a>
Decimal	<a href="#">13255701</a>
CIELab	<a href="#">47.94, 51.30, 53.08</a>
CIELCh	<a href="#">48, 73.814, 45.977</a>
Yxy	<a href="#">16.7449, 0.5793, 0.3652</a>
Android (android.graphics.Color)	<a href="#">4291445781</a> ( <a href="#">0xFFCA4415</a> )
YUV	<a href="#">102.7080, -40.2820, 87.0791</a>
Hunter-Lab	<a href="#">40.9206, 44.2448, 24.9617</a>

# Details

The Hex color **CA4415** 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 **159BCA**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **FF7A47**, and **8B0000** is the 20% darker color. If you saturate the color by 10%, you get **CA3501**, and if you desaturate by 10%, it is **CA5329**.

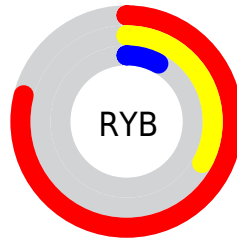
# Distribution



Red (79%)

Green (27%)

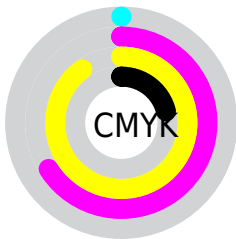
Blue (8%)



Red (79%)

Yellow (33%)

Blue (8%)

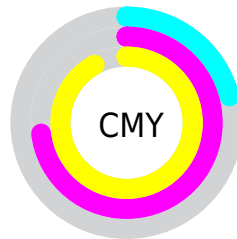


Cyan (0%)

Magenta (66%)

Yellow (90%)

Black (21%)



Cyan (21%)

Magenta (73%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CA4415 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 CA4415 by changing the saturation by 10% instead.



 CA4415

 CA4415

FFFFFF

 AA2700

 FF7A47

 8B0000

 FF9660

 6D0000

 FFB27A

 4F0000

 FFCE94

 340002

 FFEBB0

 000000

 FFFF00

FFFCB

 FFFF00

FFFFE8

 CA4415

 CA4415

■ CA3501

■ CA5329

■ CA3400

■ CA623D

■ CA7152

■ CA8066

■ CA8F7A

■ CA9E8E

■ CAADA2

■ CABCB7

■ CACBCB

# Harmonies

## Analogous

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



DC1C54



CA4415



A26400

# Triad

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



CA4415



008A51



006EEB

# Complementary

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



CA4415



159BCA

# 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.



0082EC



CA4415



008C92

# Square

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



CA4415



018500



008ACB



9C4EC9

# Rectangle

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



CA4415



7F7300



008ACB



0076EF



# Sweetspot

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



CA4415



FFCCBA



CA159D



806157



000000



808080



# Same Dimension

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



CA4415



FF4200



CA9D15



665E5C



A62B00



260A00



# Inverse Universe

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



159BCA



00BDFE



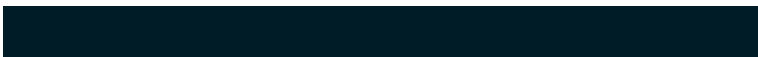
1542CA



5C6366



007BA6



001C26



# Previews

## White Background



This preview shows how the Hex color CA4415 looks on a white background.

## Color Contrast Check

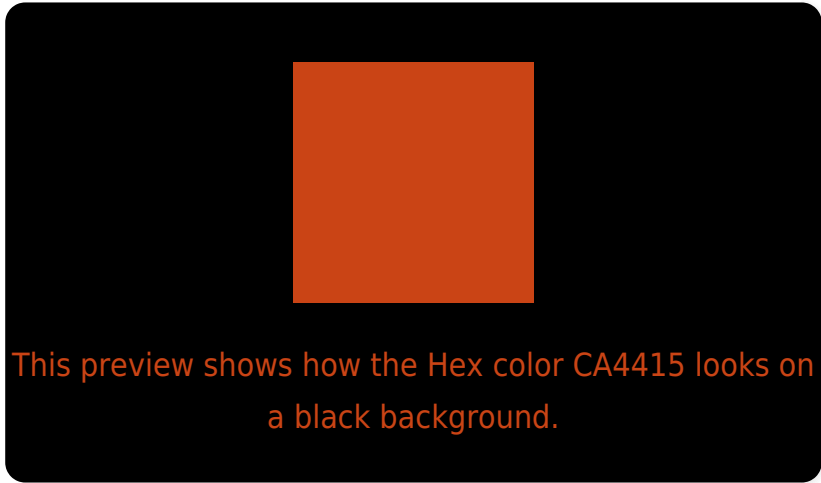
Large Text (above 18pt) WCAG AA ✓ Pass

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 CA4415 Background



This preview shows how black text looks on a background with the Hex color CA4415.



This preview shows how white text looks on a background with the Hex color CA4415.

# 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



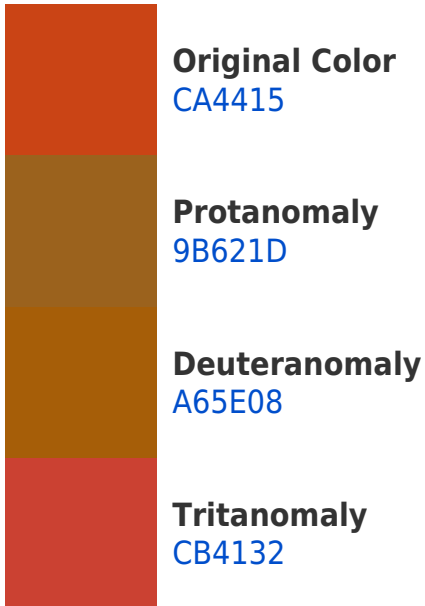
**Original Color**  
CA4415

**Protanopia**  
807321

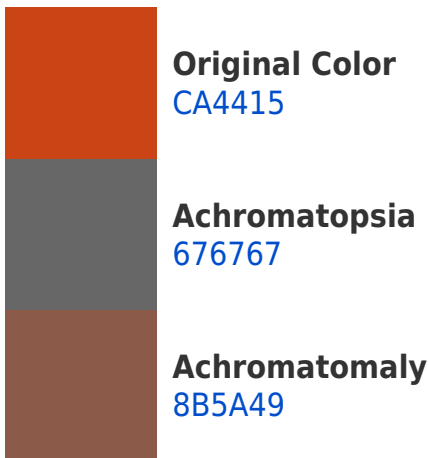
**Deuteranopia**  
916D00



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CA4415 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 #CA4415 looks like.

```
.text, #text, p{  
    color:#CA4415  
}
```

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 #CA4415 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CA4415
}
```

## Border

The CSS property to change the border of an element to Hex CA4415 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
#CA4415 }
```

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

```
.border{ border-color:#CA4415 }
```

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

Here you see how a box with a 4 pixel #CA4415 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CA4415; -webkit-box-shadow:4px 4px  
4px 4px #CA4415; box-shadow:4px 4px 4px  
4px #CA4415 }
```

# Background

The CSS property to change the background color of an element to Hex CA4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CA4415 }
```

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

```
.background{ background-color:#CA4415 }
```

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