

# Converting Colors

Hex(CA3636)

Have a look what the booklet for  
Hex(CA3636) contains.

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**Color**

**Hex(CA3636)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA3636
RGB	202, 54, 54
RGB Percent	79%, 21%, 21%
CMY	0.2078, 0.7882, 0.7882
CMYK	0.00, 0.73, 0.73, 0.21
HSL	0°, 58%, 50%
HSV	0°, 73%, 79%
XYZ	26.3421, 15.4612, 5.0860
YIQ	98.2520, 88.2080, 31.3760

# Conversions

## Conversions Part 2

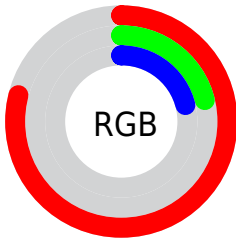
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 54, 54
Decimal	13252150
CIE Lab	46.26, 57.63, 35.32
CIE LCh	46, 67.592, 31.499
Yxy	15.4612, 0.5618, 0.3297
Android (android.graphics.Color)	4291442230 (0xFFCA3636)
YUV	98.2520, -21.8162, 90.9870
Hunter-Lab	39.3208, 50.7710, 19.8557

# Details

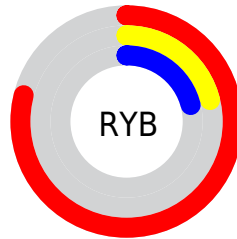
The Hex color **CA3636** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **36CACA**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **FF6F65**, and **8C000B** is the 20% darker color. If you saturate the color by 10%, you get **CA2222**, and if you desaturate by 10%, it is **CA4A4A**.

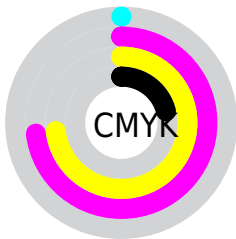
# Distribution



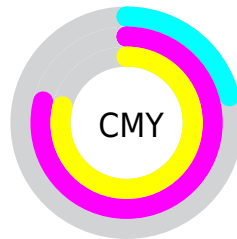
- Red (79%)
- Green (21%)
- Blue (21%)



- Red (79%)
- Yellow (21%)
- Blue (21%)



- Cyan (0%)
- Magenta (73%)
- Yellow (73%)
- Black (21%)



- Cyan (21%)
- Magenta (79%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CA3636 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 CA3636 by changing the saturation by 10% instead.



 CA3636

 CA3636

FFFFFF

 AB1120

 FF6F65

 8C000B

 FF8B7E

 6D0000

 FFA798

 4F0000

 FFC4B3

 330002

 FFE1CF

 000000

 FFFFEB

 CA3636

 CA3636

 CA2222

 CA4A4A

 CA0E0E

 CA5E5E

 CA0000

 CA7373

 CA8787

 CA9B9B

 CAAFAF

 CAC3C3

 CAD8D8

 CAECEC

# Harmonies

## Analogous

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



CE246D



CA3636



AE5500

# Triad

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



CA3636



008333



0074E0

# Complementary

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



CA3636



36CACA

# 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.



0081D1



CA3636



00866F

# Square

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



CA3636



497B00



0086A8



6B5DCF

# Rectangle

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



CA3636



926600



0086A8



0079DF



# Sweetspot

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



CA3636



FFC7C7



CA36CA



805E5E



000000



808080



# Same Dimension

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



CA3636



FF1F1F



CA8036



665C5C



A60000



260000



# Inverse Universe

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



36CACA



1FFFFFF



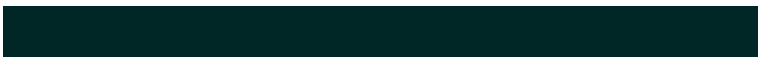
3680CA



5C6666



00A6A6



002626



# Previews

## White Background



This preview shows how the Hex color CA3636 looks on a white background.

## Color Contrast Check

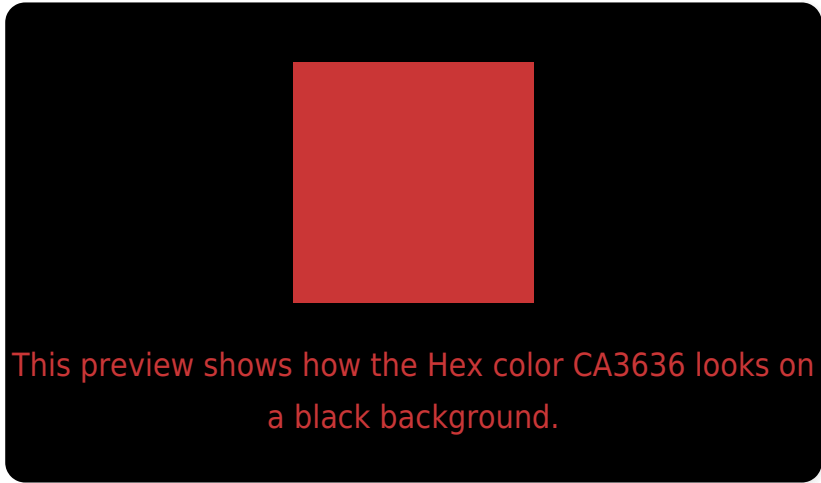
Large Text (above 18pt) WCAG AA ✓ Pass

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 CA3636 Background



This preview shows how black text looks on a background with the Hex color CA3636.

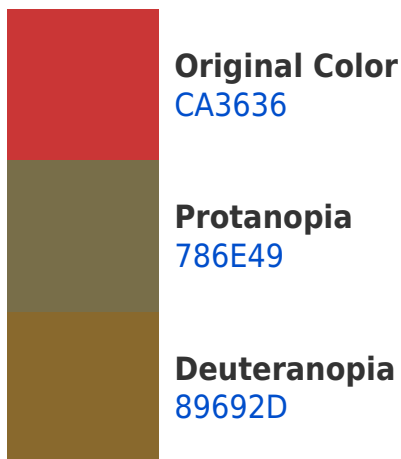


This preview shows how white text looks on a background with the Hex color CA3636.

# Color Blindness Simulation

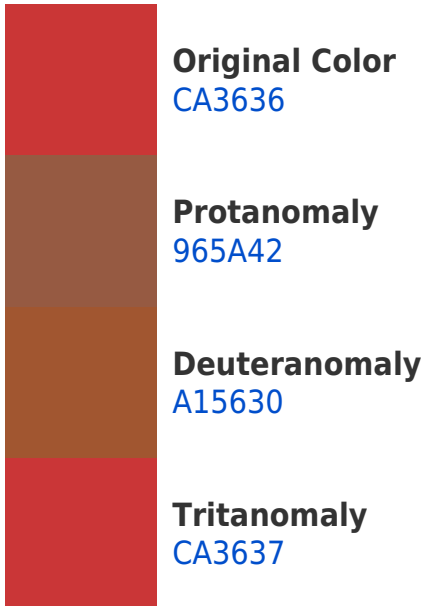
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CA3636 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 #CA3636 looks like.

```
.text, #text, p{  
    color:#CA3636  
}
```

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 #CA3636 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CA3636
}
```

## Border

The CSS property to change the border of an element to Hex CA3636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

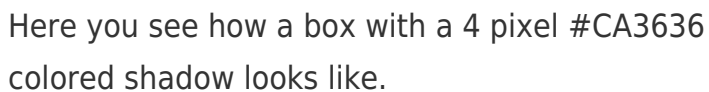
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#CA3636 }
```

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

```
.border{ border-color:#CA3636 }
```

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



Here you see how a box with a 4 pixel `#CA3636` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CA3636; -webkit-box-shadow:4px 4px  
4px 4px #CA3636; box-shadow:4px 4px 4px  
4px #CA3636 }
```

# Background

The CSS property to change the background color of an element to Hex CA3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CA3636 }
```

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

```
.background{ background-color:#CA3636 }
```

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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