

# Converting Colors

Hex(CF4D31)

Have a look what the booklet for  
Hex(CF4D31) contains.

<b>Hex(CF4D31)</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(CF4D31)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF4D31
RGB	207, 77, 49
RGB Percent	81%, 30%, 19%
CMY	0.1882, 0.6980, 0.8078
CMYK	0.00, 0.63, 0.76, 0.19
HSL	11°, 62%, 50%
HSV	11°, 76%, 81%
XYZ	28.9404, 18.7949, 5.0082
YIQ	112.6780, 86.4680, 18.8520

# Conversions

## Conversions Part 2

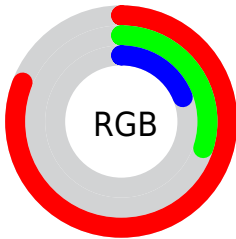
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 83, 49
Decimal	13585713
CIE <sub>Lab</sub>	50.45, 49.97, 42.90
CIE <sub>LCh</sub>	50, 65.861, 40.649
Yxy	18.7949, 0.5487, 0.3563
Android (android.graphics.Color)	4291775793 (0xFFCF4D31)
YUV	112.6780, -31.3933, 82.7204
Hunter-Lab	43.3531, 43.2899, 23.4979

# Details

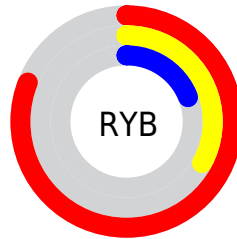
The Hex color **CF4D31** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **31B3CF**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **FF8361**, and **911002** is the 20% darker color. If you saturate the color by 10%, you get **CF3C1C**, and if you desaturate by 10%, it is **CF5E46**.

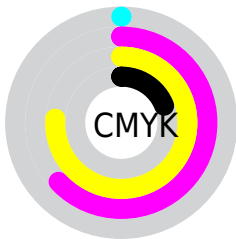
# Distribution



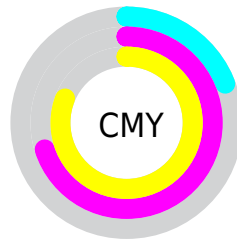
- Red (81%)
- Green (30%)
- Blue (19%)



- Red (81%)
- Yellow (33%)
- Blue (19%)



- Cyan (0%)
- Magenta (63%)
- Yellow (76%)
- Black (19%)



- Cyan (19%)
- Magenta (70%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CF4D31 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 CF4D31 by changing the saturation by 10% instead.



 CF4D31

 CF4D31

FFFFFF

 B0311A

 FF8361

 911002

 FF9F7A

 730000

 FFBB94

 550000

 FFD7AF

 3A0002

 FFF4CB

 140000

 FFFFE7

 000000

 CF4D31

 CF4D31

 CF3C1C

 CF5E46

 CF2B08

 CF6F5A

 CF2500

 CF806F

 CF9184

 CFA299

 CFB3AD

 CFC4C2

 CFD5D7

 CFE6EB

# Harmonies

## Analogous

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



DB3867



CF4D31



AE6800

# Triad

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



CF4D31



008F50



0078E7

# Complementary

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



CF4D31



31B3CF

# 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.



0088E2



CF4D31



00918B

# Square

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



CF4D31



3E8813



0090C0



925FCE

# Rectangle

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



CF4D31



907600



0090C0



007FE9



# Sweetspot

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



CF4D31



FFCFC4



CF31B5



80625C



000000



808080



# Same Dimension

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



CF4D31



FF3E14



CF9A31



69605E



A81E00



290700

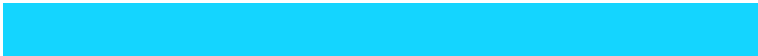


# Inverse Universe

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



31B3CF



14D5FF



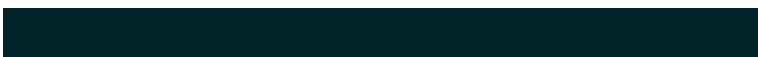
3166CF



5E6769



008AA8

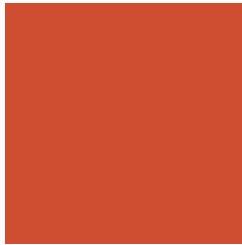


002229



# Previews

## White Background



This preview shows how the Hex color CF4D31 looks on a white background.

## Color Contrast Check

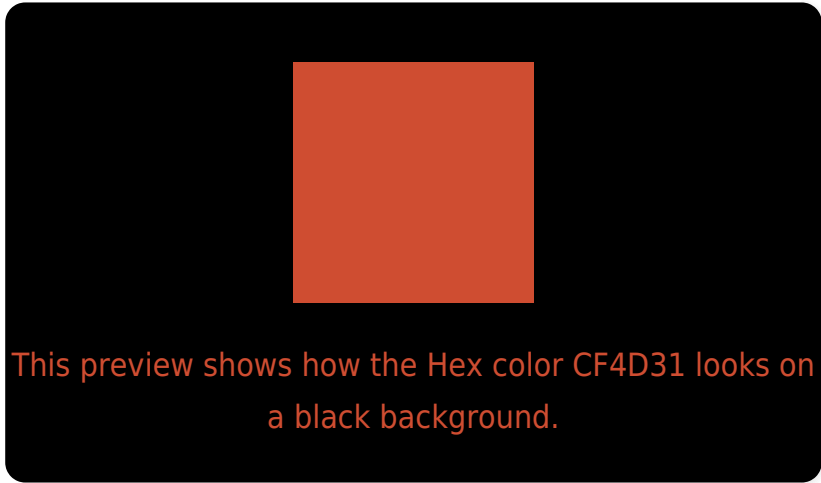
Large Text (above 18pt) WCAG AA ✓ Pass

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 CF4D31 Background



This preview shows how black text looks on a background with the Hex color CF4D31.



This preview shows how white text looks on a background with the Hex color CF4D31.

# 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**  
CF4D31

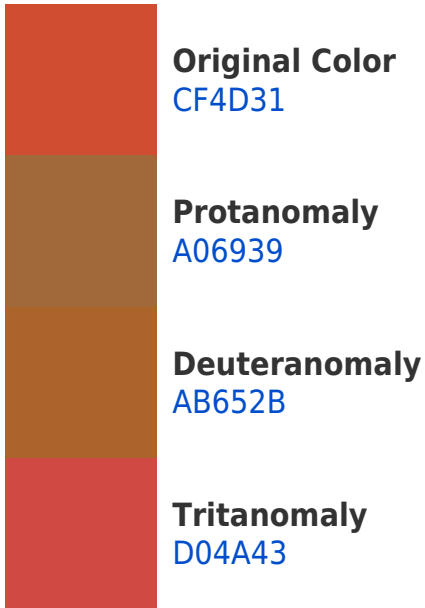
**Protanopia**  
85793E

**Deuteranopia**  
977328

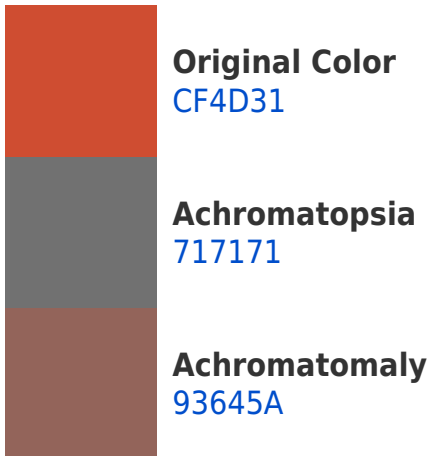


**Tritanopia**  
D0494E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CF4D31 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 #CF4D31 looks like.

```
.text, #text, p{  
    color:#CF4D31  
}
```

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 #CF4D31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CF4D31
}
```

## Border

The CSS property to change the border of an element to Hex CF4D31 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
#CF4D31 }
```

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

```
.border{ border-color:#CF4D31 }
```

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

Here you see how a box with a 4 pixel #CF4D31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CF4D31; -webkit-box-shadow:4px 4px  
4px 4px #CF4D31; box-shadow:4px 4px 4px  
4px #CF4D31 }
```

# Background

The CSS property to change the background color of an element to Hex CF4D31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CF4D31 }
```

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

```
.background{ background-color:#CF4D31 }
```

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