

Converting Colors

CIELCh(54, 83.223, 48.770)

Have a look what the booklet for
CIELCh(54, 83.223, 48.770) contains.

CIELCh(54, 83.159, 48.817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(54, 83.159, 48.817)

Conversions

Conversions Part 1

Format	Color
Hex	E35008
RGB	227, 80, 8
RGB Percent	89%, 31%, 3%
CMY	0.1113, 0.6875, 0.9667
CMYK	0.00, 0.65, 0.96, 0.11
HSL	20°, 93%, 46%
HSV	20°, 96%, 89%
XYZ	34.4461, 21.9746, 2.6698
YIQ	115.7450, 110.7240, 8.7720

Conversions

Conversions Part 2

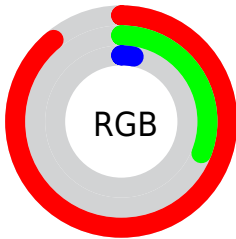
Format	Color
RYB	227, 115, 8
Decimal	14897160
CIELab	54.00, 54.76, 62.59
CIELCh	54, 83.159, 48.817
Yxy	21.9746, 0.5829, 0.3719
Android (android.graphics.Color)	4293087240 (0xFFE35008)
YUV	115.7450, -53.1183, 97.5706
Hunter-Lab	46.8770, 49.1301, 29.4372

Details

The CIELCh color **54, 83.159, 48.817** 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 **61, 46.035, 259.721**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 68.816, 53.644**, and **34, 73.167, 41.162** is the 20% darker color. If you saturate the color by 10%, you get **53, 85.666, 48.293**, and if you desaturate by 10%, it is **57, 75.437, 50.130**.

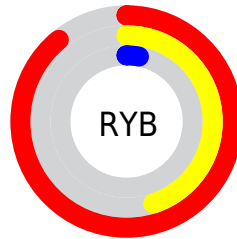
Distribution



Red (89%)

Green (31%)

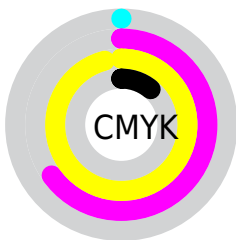
Blue (3%)



Red (89%)

Yellow (45%)

Blue (3%)

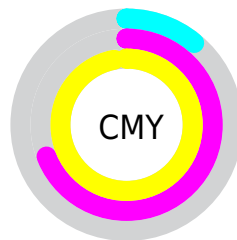


Cyan (0%)

Magenta (65%)

Yellow (96%)

Black (11%)



Cyan (11%)

Magenta (69%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 83.159, 48.817 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 CIELCh color 54, 83.159, 48.817 by changing the saturation by 10% instead.

54, 83.159, 48.817

54, 83.159, 48.817

100, 83.159,
48.817

44, 83.159, 48.817

74, 83.159, 48.817

34, 83.159, 48.817

84, 83.159, 48.817

24, 83.159, 48.817

94, 83.159, 48.817

14, 83.159, 48.817

4, 83.159, 48.817

0, 83.159, 48.817

54, 83.159, 48.817

54, 83.159, 48.817

53, 85.666, 48.293

57, 75.437, 50.130

60, 65.850, 50.712

63, 55.729, 51.052

67, 45.774, 51.385

70, 36.290, 51.797

75, 27.391, 52.307

79, 19.099, 52.905

83, 11.391, 53.568

87, 4.224, 54.225

Harmonies

Complementary

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



54, 83.159, 48.817



61, 46.035, 259.721

Rectangle

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



54, 83.159, 48.817



54, 83.159, 98.817



54, 83.159, 228.817



54, 83.159, 278.817

Sweetspot

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



54, 83.156, 48.819



86, 23.476, 52.721



51, 83.262, 345.653



44, 16.373, 52.464



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 83.156, 48.819



59, 93.888, 48.067



77, 78.072, 89.631



45, 3.851, 54.029



42, 70.471, 48.881



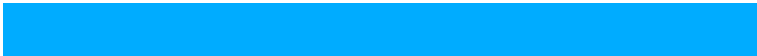
9, 20.682, 42.098

Inverse Universe

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



61, 46.035, 259.721



67, 51.767, 261.985



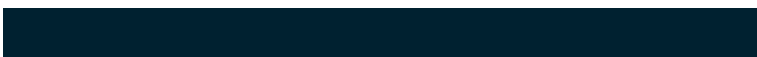
33, 106.538, 302.441



45, 3.672, 235.733



47, 38.664, 260.670



11, 14.623, 250.775

Previews

White Background



This preview shows how the CIELCh color 54, 83.159, 48.817 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



This preview shows how the CIELCh color 54, 83.159, 48.817 looks on a 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](#).

CIELCh 54, 83.159, 48.817

Background



This preview shows how black text looks on a background with the CIELCh color 54, 83.159, 48.817.



This preview shows how white text looks on a background with the CIELCh color 54, 83.159, 48.817.

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

54, 83.308, 48.914

Protanopia

54, 53.990, 95.371

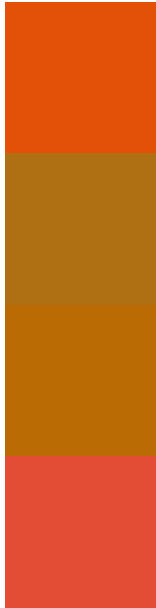
Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 67.515, 28.054

Trichromacy



Original Color
54, 83.308, 48.914

Protanomaly
53, 58.471, 71.849

Deuteranomaly
53, 65.411, 66.578

Tritanomaly
54, 73.103, 38.343

Monochromacy



Original Color
54, 83.308, 48.914

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 30.115, 51.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 83.159, 48.817 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 `rgb(227, 80, 8)` looks like.

```
.text, #text, p{  
    color:rgb(227, 80, 8)  
}
```

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 rgb(227, 80, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 80, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 83.159, 48.817 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 rgb(227, 80, 8) }
```

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

```
.border{ border-color:rgb(227, 80, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 80, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 80, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 80, 8);  
box-shadow:4px 4px 4px 4px rgb(227, 80, 8)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 83.159, 48.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 80, 8) }
```

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

```
.background{ background-color: rgb(227, 80,  
8) }
```

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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