

Converting Colors

CIELCh(49, 82.981, 42.850)

Have a look what the booklet for
CIELCh(49, 82.981, 42.850) contains.

CIELCh(49, 83.046, 42.792)	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>	25

Color

CIELCh(49, 83.046, 42.792)

Conversions

Conversions Part 1

Format	Color
Hex	D93711
RGB	217, 55, 17
RGB Percent	85%, 22%, 7%
CMY	0.1479, 0.7832, 0.9323
CMYK	0.00, 0.75, 0.92, 0.15
HSL	11°, 85%, 46%
HSV	11°, 92%, 85%
XYZ	30.1804, 17.5941, 2.3460
YIQ	99.1060, 108.7500, 22.5260

Conversions

Conversions Part 2

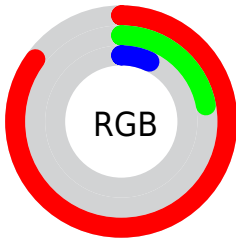
Format	Color
RYB	217, 64, 17
Decimal	14235409
CIELab	49.00, 60.94, 56.42
CIElCh	49, 83.046, 42.792
Yxy	17.5941, 0.6022, 0.3510
Android (android.graphics.Color)	4292425489 (0xFFD93711)
YUV	99.1060, -40.4783, 103.3930
Hunter-Lab	41.9453, 55.0300, 26.0456

Details

The CIELCh color **49, 83.046, 42.792** 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 **68, 38.185, 230.985**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 72.123, 44.459**, and **31, 70.930, 39.526** is the 20% darker color. If you saturate the color by 10%, you get **47, 88.600, 42.959**, and if you desaturate by 10%, it is **51, 73.944, 42.053**.

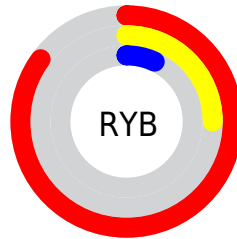
Distribution



Red (85%)

Green (22%)

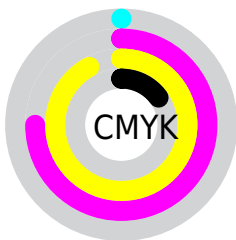
Blue (7%)



Red (85%)

Yellow (25%)

Blue (7%)

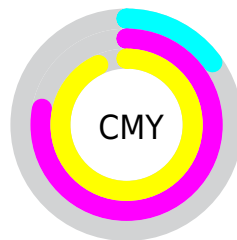


Cyan (0%)

Magenta (75%)

Yellow (92%)

Black (15%)



Cyan (15%)

Magenta (78%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 83.046, 42.792 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 49, 83.046, 42.792 by changing the saturation by 10% instead.

49, 83.046, 42.792

49, 83.046, 42.792

100, 83.046,
42.792

39, 83.046, 42.792

69, 83.046, 42.792

29, 83.046, 42.792

79, 83.046, 42.792

19, 83.046, 42.792

89, 83.046, 42.792

9, 83.046, 42.792

99, 83.046, 42.792

0, 83.046, 42.792

49, 83.046, 42.792

49, 83.046, 42.792

47, 88.600, 42.959

51, 73.944, 42.053

55, 63.590, 40.952

■ 58, 53.083, 39.933

■ 62, 42.918, 39.143

■ 67, 33.314, 38.601

■ 71, 24.360, 38.280

■ 76, 16.073, 38.136

■ 81, 8.428, 38.116

■ 86, 1.380, 37.887

Harmonies

Complementary

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



49, 83.046, 42.792



68, 38.185, 230.985

Rectangle

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



49, 83.046, 42.792



49, 83.046, 92.792



49, 83.046, 222.792



49, 83.046, 272.792

Sweetspot

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



49, 83.043, 42.794



84, 23.843, 38.207



50, 88.027, 336.501



43, 16.764, 38.293



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 83.043, 42.794



55, 100.268, 42.757



68, 71.161, 78.777



43, 3.954, 38.119



38, 74.508, 43.316



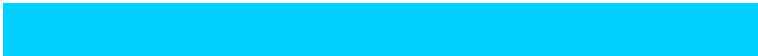
7, 21.060, 30.718

Inverse Universe

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



68, 38.185, 230.985



77, 43.815, 234.236



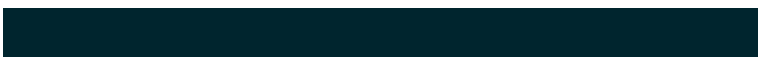
40, 82.304, 295.193



45, 3.727, 218.658



54, 32.756, 233.221



13, 13.099, 226.109

Previews

White Background



This preview shows how the CIELCh color 49, 83.046, 42.792 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



This preview shows how the CIELCh color 49, 83.046, 42.792 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 49, 83.046, 42.792

Background



This preview shows how black text looks on a background with the CIELCh color 49, 83.046, 42.792.



This preview shows how white text looks on a background with the CIELCh color 49, 83.046, 42.792.

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

49, 83.046, 42.792

Protanopia

49, 45.912, 95.570

Tritanopia

49, 74.583, 32.259

Trichromacy



Original Color
49, 83.046, 42.792

Protanomaly
47, 52.304, 64.889

Tritanomaly
49, 77.934, 36.874

Monochromacy



Original Color
49, 83.046, 42.792

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 29.675, 39.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 83.046, 42.792 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(217, 55, 17)` looks like.

```
.text, #text, p{  
    color:rgb(217, 55, 17)  
}
```

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(217, 55, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 55, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 83.046, 42.792 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(217, 55, 17) }
```

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

```
.border{ border-color:rgb(217, 55, 17) }
```

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

Here you see how a box with a 4 pixel rgb(217, 55, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 55, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 55, 17);  
box-shadow:4px 4px 4px 4px rgb(217, 55,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 83.046, 42.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 55, 17) }
```

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

```
.background{ background-color: rgb(217, 55,  
17) }
```

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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