

Converting Colors

CIELCh(49, 84.141, 46.127)

Have a look what the booklet for
CIELCh(49, 84.141, 46.127) contains.

CIELCh(49, 83.997, 46.212)	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(49, 83.997, 46.212)

Conversions

Conversions Part 1

Format	Color
Hex	D63C00
RGB	214, 60, 0
RGB Percent	84%, 24%, 0%
CMY	0.1597, 0.7637, 0.9990
CMYK	0.00, 0.72, 1.00, 0.16
HSL	17°, 100%, 42%
HSV	17°, 100%, 84%
XYZ	29.4392, 17.5941, 1.8516
YIQ	99.2060, 111.0440, 13.9880

Conversions

Conversions Part 2

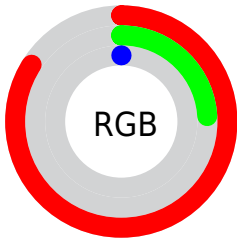
Format	Color
RYB	214, 83, 0
Decimal	14040064
CIELab	49.00, 58.13, 60.64
CIELCh	49, 83.997, 46.212
Yxy	17.5941, 0.6022, 0.3599
Android (android.graphics.Color)	4292230144 (0xFFD63C00)
YUV	99.2060, -48.9086, 100.6743
Hunter-Lab	41.9453, 51.8754, 26.7444

Details

The CIELCh color **49, 83.997, 46.212** 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 **60, 41.833, 252.844**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 74.214, 48.418**, and **31, 69.814, 39.432** is the 20% darker color. If you saturate the color by 10%, you get **49, 84.078, 46.209**, and if you desaturate by 10%, it is **51, 76.844, 47.076**.

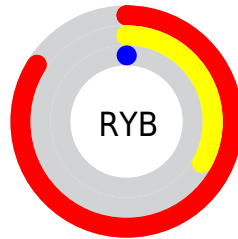
Distribution



Red (84%)

Green (24%)

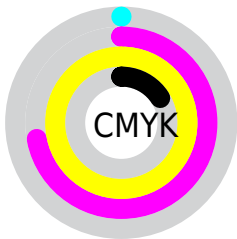
Blue (0%)



Red (84%)

Yellow (33%)

Blue (0%)

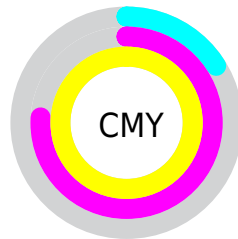


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 83.997, 46.212 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, 83.997, 46.212 by changing the saturation by 10% instead.

49, 83.997, 46.212

49, 83.997, 46.212

100, 83.997,
46.212

39, 83.997, 46.212

69, 83.997, 46.212

29, 83.997, 46.212

79, 83.997, 46.212

19, 83.997, 46.212

89, 83.997, 46.212

9, 83.997, 46.212

99, 83.997, 46.212

0, 83.997, 46.212

49, 83.997, 46.212

49, 83.997, 46.212

49, 84.078, 46.209

51, 76.844, 47.076

54, 67.766, 47.322

■ 57, 57.846, 47.238

■ 61, 47.955, 47.150

■ 64, 38.481, 47.175

■ 68, 29.579, 47.340

■ 73, 21.294, 47.636

■ 77, 13.616, 48.036

■ 81, 6.509, 48.493

Harmonies

Complementary

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



49, 83.997, 46.212



60, 41.833, 252.844

Rectangle

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



49, 83.997, 46.212



49, 83.997, 96.212



49, 83.997, 226.212



49, 83.997, 276.212

Sweetspot

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



49, 83.994, 46.214



85, 24.662, 47.622



48, 82.594, 342.661



43, 17.114, 47.483



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, 83.994, 46.214



58, 96.232, 45.902



70, 73.846, 84.739



43, 3.731, 48.514



39, 70.613, 46.703



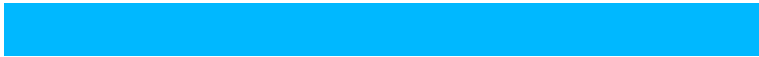
7, 18.541, 36.229

Inverse Universe

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



60, 41.833, 252.844



70, 47.929, 253.444



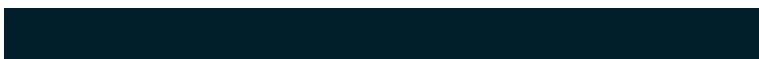
32, 99.553, 301.514



43, 3.540, 229.847



48, 35.140, 252.051



10, 13.006, 241.598

Previews

White Background



This preview shows how the CIELCh color 49, 83.997, 46.212 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, 83.997, 46.212 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, 83.997, 46.212

Background



This preview shows how black text looks on a background with the CIELCh color 49, 83.997, 46.212.



This preview shows how white text looks on a background with the CIELCh color 49, 83.997, 46.212.

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, 83.997, 46.212

Protanopia

49, 49.594, 95.725

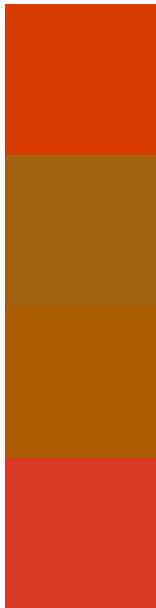
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 71.304, 31.042

Trichromacy



Original Color
49, 83.997, 46.212

Protanomaly
47, 55.762, 68.150

Deuteranomaly
48, 62.473, 64.257

Tritanomaly
49, 76.644, 38.831

Monochromacy



Original Color
49, 83.997, 46.212

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 30.758, 47.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 83.997, 46.212 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(214, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 60, 0)  
}
```

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(214, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 60, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 83.997, 46.212 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(214, 60, 0) }
```

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

```
.border{ border-color:rgb(214, 60, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 60, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 83.997, 46.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 60, 0) }
```

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

```
.background{ background-color: rgb(214, 60,  
0) }
```

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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