

Converting Colors

CIELCh(49, 85.258, 51.336)

Have a look what the booklet for
CIELCh(49, 85.258, 51.336) contains.

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Color

CIELCh(49, 80.512, 48.413)

Conversions

Conversions Part 1

Format	Color
Hex	D14400
RGB	209, 68, 0
RGB Percent	82%, 27%, 0%
CMY	0.1819, 0.7346, 1.0000
CMYK	0.00, 0.68, 1.00, 0.18
HSL	19°, 100%, 41%
HSV	19°, 100%, 82%
XYZ	28.2330, 17.5941, 1.8972
YIQ	102.4070, 105.8640, 8.7440

Conversions

Conversions Part 2

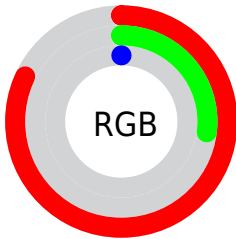
Format	Color
RYB	209, 101, 0
Decimal	13714432
CIELab	49.00, 53.44, 60.22
CIELCh	49, 80.512, 48.413
Yxy	17.5941, 0.5916, 0.3687
Android (android.graphics.Color)	4291904512 (0xFFD14400)
YUV	102.4070, -50.4867, 93.4821
Hunter-Lab	41.9453, 46.7424, 26.6799

Details

The CIELCh color **49, 80.512, 48.413** 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 **56, 44.041, 260.992**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 73.206, 50.679**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **49, 80.440, 48.368**, and if you desaturate by 10%, it is **51, 73.626, 49.687**.

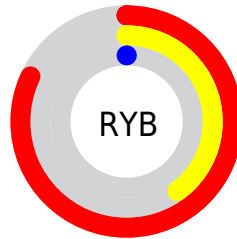
Distribution



Red (82%)

Green (27%)

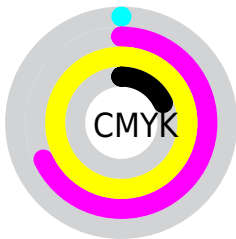
Blue (0%)



Red (82%)

Yellow (40%)

Blue (0%)

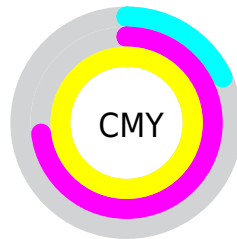


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 80.512, 48.413 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, 80.512, 48.413 by changing the saturation by 10% instead.

49, 80.512, 48.413

49, 80.512, 48.413

100, 80.512,
48.413

39, 80.512, 48.413

69, 80.512, 48.413

29, 80.512, 48.413

79, 80.512, 48.413

19, 80.512, 48.413

89, 80.512, 48.413

9, 80.512, 48.413

99, 80.512, 48.413

0, 80.512, 48.413

49, 80.512, 48.413

49, 80.512, 48.413

49, 80.440, 48.368

51, 73.626, 49.687

54, 65.059, 50.420

■ 57, 55.649, 50.784

■ 60, 46.230, 51.086

■ 64, 37.181, 51.450

■ 68, 28.654, 51.911

■ 72, 20.693, 52.466

■ 76, 13.288, 53.097

■ 80, 6.405, 53.762

Harmonies

Complementary

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



49, 80.512, 48.413



56, 44.041, 260.992

Rectangle

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



49, 80.512, 48.413



49, 80.512, 98.413



49, 80.512, 228.413



49, 80.512, 278.413

Sweetspot

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



49, 80.440, 48.368



86, 24.386, 52.445



46, 78.399, 346.328



44, 16.908, 52.199



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, 80.440, 48.368



59, 93.989, 47.968



71, 73.969, 89.179



42, 3.633, 53.801



40, 68.179, 48.898



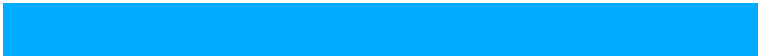
7, 16.644, 39.326

Inverse Universe

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



56, 44.041, 260.992



67, 51.584, 261.646



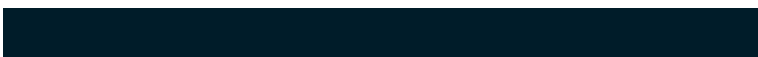
29, 103.045, 303.159



42, 3.465, 235.478



45, 37.218, 260.142



9, 12.952, 248.359

Previews

White Background



This preview shows how the CIELCh color 49, 80.512, 48.413 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, 80.512, 48.413 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, 80.512, 48.413

Background



This preview shows how black text looks on a background with the CIELCh color 49, 80.512, 48.413.



This preview shows how white text looks on a background with the CIELCh color 49, 80.512, 48.413.

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, 80.512, 48.413

Protanopia

49, 49.929, 95.122

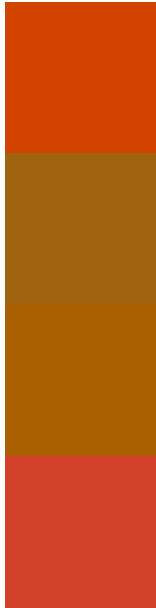
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 65.762, 29.129

Trichromacy



Original Color
49, 80.512, 48.413

Protanomaly
48, 55.328, 70.242

Deuteranomaly
48, 61.607, 65.888

Tritanomaly
49, 71.386, 39.131

Monochromacy



Original Color
49, 80.512, 48.413

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 29.334, 51.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 80.512, 48.413 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(209, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 68, 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(209, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 68, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 80.512, 48.413 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(209, 68, 0) }
```

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

```
.border{ border-color:rgb(209, 68, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 68, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 80.512, 48.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 68, 0) }
```

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

```
.background{ background-color: rgb(209, 68,  
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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