

Converting Colors

CIELCh(49, 76.805, 38.796)

Have a look what the booklet for
CIELCh(49, 76.805, 38.796) contains.

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Color

CIELCh(49, 76.644, 38.831)

Conversions

Conversions Part 1

Format	Color
Hex	D73A25
RGB	215, 58, 37
RGB Percent	84%, 23%, 15%
CMY	0.1571, 0.7727, 0.8550
CMYK	0.00, 0.73, 0.83, 0.16
HSL	7°, 71%, 49%
HSV	7°, 83%, 84%
XYZ	29.8537, 17.5941, 3.5698
YIQ	102.5490, 100.3130, 26.7530

Conversions

Conversions Part 2

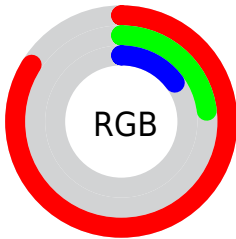
Format	Color
RYB	215, 61, 37
Decimal	14105125
CIELab	49.00, 59.71, 48.06
CIELCh	49, 76.644, 38.831
Yxy	17.5941, 0.5852, 0.3449
Android (android.graphics.Color)	4292295205 (0xFFD73A25)
YUV	102.5490, -32.3157, 98.6195
Hunter-Lab	41.9453, 53.6394, 24.3158

Details

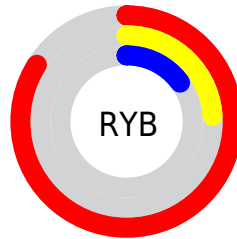
The CIELCh color **49, 76.644, 38.831** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **72, 37.690, 214.769**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 66.349, 39.905**, and **31, 70.559, 39.496** is the 20% darker color. If you saturate the color by 10%, you get **47, 85.348, 40.497**, and if you desaturate by 10%, it is **52, 66.388, 36.824**.

Distribution



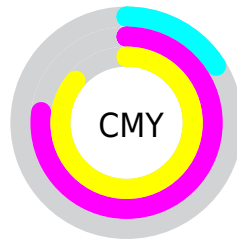
- Red (84%)
- Green (23%)
- Blue (15%)



- Red (84%)
- Yellow (24%)
- Blue (15%)



- Cyan (0%)
- Magenta (73%)
- Yellow (83%)
- Black (16%)



- Cyan (16%)
- Magenta (77%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 76.644, 38.831 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, 76.644, 38.831 by changing the saturation by 10% instead.

49, 76.644, 38.831

49, 76.644, 38.831

100, 76.644,
38.831

39, 76.644, 38.831

69, 76.644, 38.831

29, 76.644, 38.831

79, 76.644, 38.831

19, 76.644, 38.831

89, 76.644, 38.831

9, 76.644, 38.831

99, 76.644, 38.831

0, 76.644, 38.831

49, 76.644, 38.831

49, 76.644, 38.831

47, 85.348, 40.497

52, 66.388, 36.824

46, 90.004, 41.332

55, 55.781, 35.004

60, 45.367, 33.535

64, 35.419, 32.421

69, 26.075, 31.612

74, 17.390, 31.042

79, 9.365, 30.647

84, 1.967, 30.190

90, 4.854, 210.497

Harmonies

Complementary

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



49, 76.644, 38.831



72, 37.690, 214.769

Rectangle

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



49, 76.644, 38.831



49, 76.644, 88.831



49, 76.644, 218.831



49, 76.644, 268.831

Sweetspot

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



49, 76.641, 38.833



85, 22.123, 31.163



51, 88.951, 332.594



43, 15.318, 31.358



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, 76.641, 38.833



54, 101.995, 41.075



66, 65.422, 74.804



42, 4.082, 30.534



36, 75.523, 41.559



6, 20.403, 25.876

Inverse Universe

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



72, 37.690, 214.769



82, 44.027, 218.133



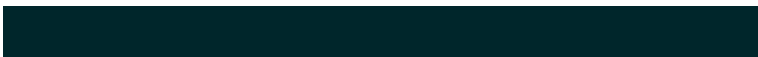
46, 65.163, 287.312



44, 3.841, 210.445



57, 32.684, 217.729



13, 13.007, 213.373

Previews

White Background



This preview shows how the CIELCh color 49, 76.644, 38.831 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, 76.644, 38.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

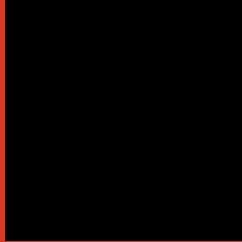
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 76.644, 38.831

Background



This preview shows how black text looks on a background with the CIELCh color 49, 76.644, 38.831.

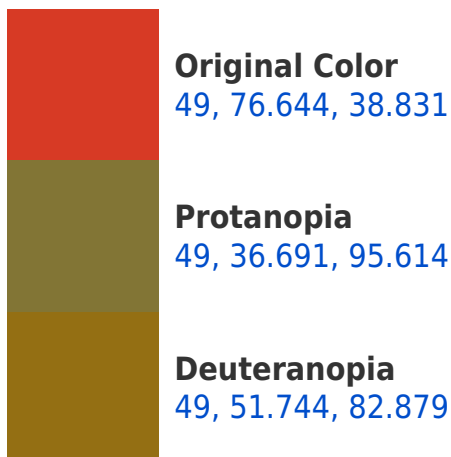


This preview shows how white text looks on a background with the CIELCh color 49, 76.644, 38.831.

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





Tritanopia
49, 71.770, 31.212

Trichromacy



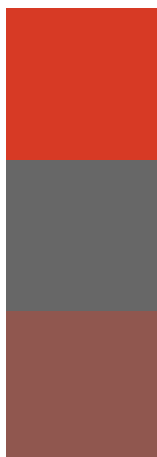
Original Color
49, 76.644, 38.831

Protanomaly
47, 44.243, 60.056

Deuteranomaly
48, 56.456, 60.077

Tritanomaly
49, 73.407, 34.103

Monochromacy



Original Color
49, 76.644, 38.831

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 26.954, 32.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 76.644, 38.831 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(215, 58, 37)` looks like.

```
.text, #text, p{  
    color:rgb(215, 58, 37)  
}
```

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(215, 58, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 58, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 76.644, 38.831 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(215, 58, 37) }
```

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

```
.border{ border-color:rgb(215, 58, 37) }
```

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

Here you see how a box with a 4 pixel rgb(215, 58, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 58, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 58, 37);  
box-shadow:4px 4px 4px 4px rgb(215, 58,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 76.644, 38.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 58, 37) }
```

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

```
.background{ background-color: rgb(215, 58,  
37) }
```

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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