

Converting Colors

CIELCh(49, 70.616, 52.622)

Have a look what the booklet for
CIELCh(49, 70.616, 52.622) contains.

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Color

CIELCh(49, 70.442, 52.587)

Conversions

Conversions Part 1

Format	Color
Hex	C3510C
RGB	195, 81, 12
RGB Percent	76%, 32%, 5%
CMY	0.2341, 0.6813, 0.9515
CMYK	0.00, 0.58, 0.94, 0.23
HSL	23°, 88%, 41%
HSV	23°, 94%, 77%
XYZ	25.6162, 17.5941, 2.4054
YIQ	107.2200, 90.0930, 2.7090

Conversions

Conversions Part 2

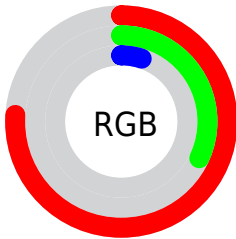
Format	Color
RYB	195, 123, 12
Decimal	12800268
CIELab	49.00, 42.80, 55.95
CIElCh	49, 70.442, 52.587
Yxy	17.5941, 0.5616, 0.3857
Android (android.graphics.Color)	4290990348 (0xFFC3510C)
YUV	107.2200, -46.9435, 76.9831
Hunter-Lab	41.9453, 35.6066, 25.9616

Details

The CIELCh color **49, 70.442, 52.587** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **51, 43.863, 266.068**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 68.946, 53.206**, and **29, 59.727, 43.950** is the 20% darker color. If you saturate the color by 10%, you get **48, 74.268, 51.492**, and if you desaturate by 10%, it is **51, 63.319, 54.063**.

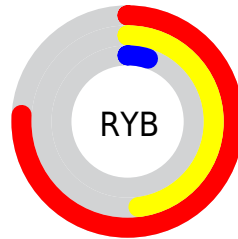
Distribution



Red (76%)

Green (32%)

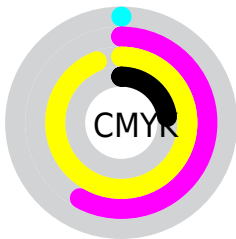
Blue (5%)



Red (76%)

Yellow (48%)

Blue (5%)

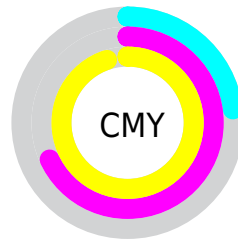


Cyan (0%)

Magenta (58%)

Yellow (94%)

Black (23%)



Cyan (23%)

Magenta (68%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 70.442, 52.587 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, 70.442, 52.587 by changing the saturation by 10% instead.

■ 49, 70.442, 52.587

■ 49, 70.442, 52.587

■ 100, 70.442,
52.587

■ 39, 70.442, 52.587

■ 69, 70.442, 52.587

■ 29, 70.442, 52.587

■ 79, 70.442, 52.587

■ 19, 70.442, 52.587

■ 89, 70.442, 52.587

■ 9, 70.442, 52.587

■ 99, 70.442, 52.587

■ 0, 70.442, 52.587

■ 49, 70.442, 52.587

■ 49, 70.442, 52.587

■ 48, 74.268, 51.492

■ 51, 63.319, 54.063

■ 54, 54.965, 54.984

■ 57, 46.319, 55.714

■ 60, 37.859, 56.422

■ 63, 29.794, 57.172

■ 67, 22.198, 57.978

■ 70, 15.082, 58.834

■ 74, 8.424, 59.717

■ 78, 2.186, 60.496

Harmonies

Complementary

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



49, 70.442, 52.587



51, 43.863, 266.068

Rectangle

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



49, 70.442, 52.587



49, 70.442, 102.587



49, 70.442, 232.587



49, 70.442, 282.587

Sweetspot

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



49, 70.440, 52.589



88, 22.517, 58.420



43, 72.244, 348.603



45, 15.780, 58.048



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, 70.440, 52.589



61, 91.276, 50.887



70, 71.249, 94.019



39, 3.423, 60.090



39, 63.941, 52.048



5, 11.603, 45.503

Inverse Universe

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



51, 43.863, 266.068



63, 57.070, 270.087



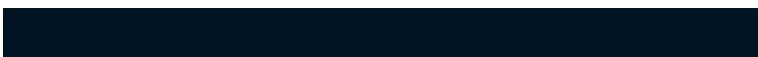
28, 97.078, 303.144



39, 3.288, 242.096



41, 39.499, 268.394



6, 11.253, 256.389

Previews

White Background



This preview shows how the CIELCh color 49, 70.442, 52.587 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, 70.442, 52.587 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, 70.442, 52.587

Background



This preview shows how black text looks on a background with the CIELCh color 49, 70.442, 52.587.



This preview shows how white text looks on a background with the CIELCh color 49, 70.442, 52.587.

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, 70.442, 52.587

Protanopia

49, 49.612, 95.113

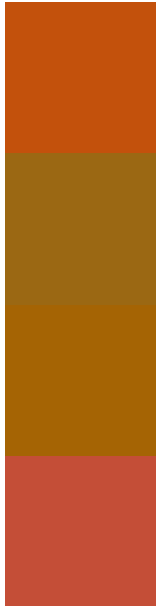
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 53.878, 25.525

Trichromacy



Original Color
49, 70.442, 52.587

Protanomaly
48, 52.680, 74.944

Deuteranomaly
48, 58.873, 69.908

Tritanomaly
49, 59.165, 39.189

Monochromacy



Original Color
49, 70.442, 52.587

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 25.144, 56.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 70.442, 52.587 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(195, 81, 12)` looks like.

```
.text, #text, p{  
    color:rgb(195, 81, 12)  
}
```

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(195, 81, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 81, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 70.442, 52.587 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(195, 81, 12) }
```

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

```
.border{ border-color:rgb(195, 81, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 81, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 81, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 81, 12);  
box-shadow:4px 4px 4px 4px rgb(195, 81,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 70.442, 52.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 81, 12) }
```

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

```
.background{ background-color: rgb(195, 81,  
12) }
```

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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