

Converting Colors

CIELCh(49, 71.830, 51.776)

Have a look what the booklet for
CIELCh(49, 71.830, 51.776) contains.

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Color

CIELCh(49, 71.779, 51.703)

Conversions

Conversions Part 1

Format	Color
Hex	C54F0C
RGB	197, 79, 12
RGB Percent	77%, 31%, 5%
CMY	0.2258, 0.6888, 0.9549
CMYK	0.00, 0.60, 0.94, 0.23
HSL	22°, 89%, 41%
HSV	22°, 94%, 77%
XYZ	26.0196, 17.5941, 2.3566
YIQ	106.6440, 91.8350, 4.1790

Conversions

Conversions Part 2

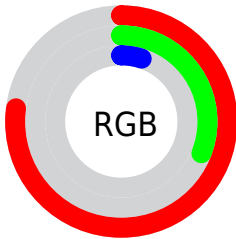
Format	Color
R_{YB}	197, 117, 12
Decimal	12930828
CIE _{Lab}	49.00, 44.48, 56.33
CIE _{LCh}	49, 71.779, 51.703
Yxy	17.5941, 0.5660, 0.3827
Android (android.graphics.Color)	4291120908 (0xFFC54F0C)
YUV	106.6440, -46.6595, 79.2422
Hunter-Lab	41.9453, 37.3235, 26.0307

Details

The CIELCh color **49, 71.779, 51.703** 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 **52, 43.496, 264.577**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 69.554, 52.597**, and **29, 61.235, 42.798** is the 20% darker color. If you saturate the color by 10%, you get **48, 75.370, 50.758**, and if you desaturate by 10%, it is **51, 64.590, 53.122**.

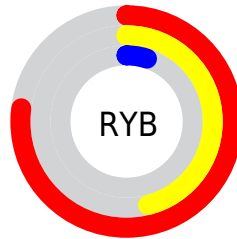
Distribution



Red (77%)

Green (31%)

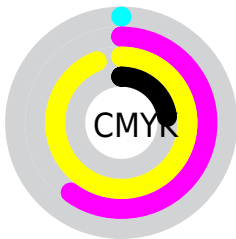
Blue (5%)



Red (77%)

Yellow (46%)

Blue (5%)

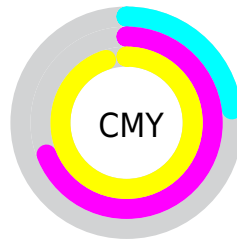


Cyan (0%)

Magenta (60%)

Yellow (94%)

Black (23%)



Cyan (23%)

Magenta (69%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 71.779, 51.703 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, 71.779, 51.703 by changing the saturation by 10% instead.

49, 71.779, 51.703

49, 71.779, 51.703

100, 71.779,
51.703

39, 71.779, 51.703

69, 71.779, 51.703

29, 71.779, 51.703

79, 71.779, 51.703

19, 71.779, 51.703

89, 71.779, 51.703

9, 71.779, 51.703

99, 71.779, 51.703

0, 71.779, 51.703

49, 71.779, 51.703

49, 71.779, 51.703

48, 75.370, 50.758

51, 64.590, 53.122

54, 56.103, 53.961

57, 47.303, 54.606

60, 38.693, 55.235

64, 30.490, 55.913

67, 22.775, 56.657

71, 15.557, 57.459

74, 8.814, 58.295

78, 2.508, 59.054

Harmonies

Complementary

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



49, 71.779, 51.703



52, 43.496, 264.577

Rectangle

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



49, 71.779, 51.703



49, 71.779, 101.703



49, 71.779, 231.703



49, 71.779, 281.703

Sweetspot

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



49, 71.777, 51.705



87, 22.512, 57.112



44, 73.532, 347.482



45, 15.782, 56.764



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, 71.777, 51.705



61, 91.878, 50.191



70, 71.227, 92.686



40, 3.491, 58.690



40, 65.127, 51.284



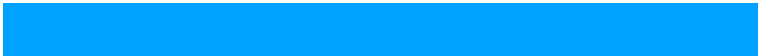
6, 13.254, 43.267

Inverse Universe

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



52, 43.496, 264.577



64, 55.749, 268.323



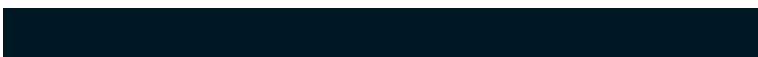
28, 96.789, 302.789



40, 3.348, 240.633



42, 39.110, 266.691



7, 12.023, 255.064

Previews

White Background



This preview shows how the CIELCh color 49, 71.779, 51.703 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, 71.779, 51.703 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, 71.779, 51.703

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.779, 51.703.



This preview shows how white text looks on a background with the CIELCh color 49, 71.779, 51.703.

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, 71.596, 51.574

Protanopia

49, 49.612, 95.113

Tritanopia

49, 55.699, 26.010

Trichromacy



Original Color
49, 71.596, 51.574

Protanomaly
48, 52.907, 73.850

Tritanomaly
49, 60.787, 38.693

Monochromacy



Original Color
49, 71.596, 51.574

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 25.597, 55.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.779, 51.703 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(197, 79, 12)` looks like.

```
.text, #text, p{  
    color:rgb(197, 79, 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(197, 79, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 79, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.779, 51.703 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(197, 79, 12) }
```

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

```
.border{ border-color:rgb(197, 79, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 79, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 79, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 79, 12);  
box-shadow:4px 4px 4px 4px rgb(197, 79,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.779, 51.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 79, 12) }
```

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

```
.background{ background-color: rgb(197, 79,  
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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