

Converting Colors

CIELCh(49, 70.915, 44.178)

Have a look what the booklet for
CIELCh(49, 70.915, 44.178) contains.

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Color

CIELCh(49, 70.529, 44.195)

Conversions

Conversions Part 1

Format	Color
Hex	CC4821
RGB	204, 72, 33
RGB Percent	80%, 28%, 13%
CMY	0.1998, 0.7175, 0.8704
CMYK	0.00, 0.65, 0.84, 0.20
HSL	14°, 72%, 46%
HSV	14°, 84%, 80%
XYZ	27.5098, 17.5941, 3.3875
YIQ	107.0220, 91.1910, 15.8550

Conversions

Conversions Part 2

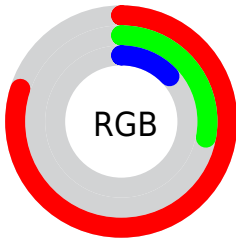
Format	Color
RYB	204, 84, 33
Decimal	13387809
CIELab	49.00, 50.57, 49.17
CIELCh	49, 70.529, 44.195
Yxy	17.5941, 0.5673, 0.3628
Android (android.graphics.Color)	4291577889 (0xFFCC4821)
YUV	107.0220, -36.4928, 85.0497
Hunter-Lab	41.9453, 43.6649, 24.5734

Details

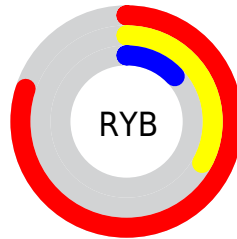
The CIELCh color **49, 70.529, 44.195** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark muted red. A complement of this color would be **63, 35.769, 235.501**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 65.532, 45.538**, and **29, 66.207, 39.837** is the 20% darker color. If you saturate the color by 10%, you get **47, 78.824, 44.331**, and if you desaturate by 10%, it is **52, 60.892, 43.579**.

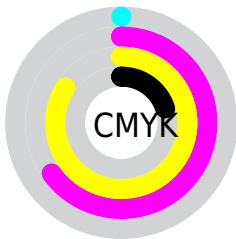
Distribution



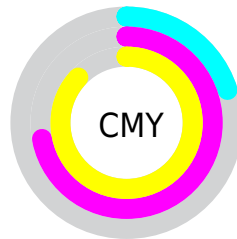
- Red (80%)
- Green (28%)
- Blue (13%)



- Red (80%)
- Yellow (33%)
- Blue (13%)



- Cyan (0%)
- Magenta (65%)
- Yellow (84%)
- Black (20%)



- Cyan (20%)
- Magenta (72%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 70.529, 44.195 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, 70.529, 44.195 by changing the saturation by 10% instead.

49, 70.529, 44.195

49, 70.529, 44.195

100, 70.529,
44.195

39, 70.529, 44.195

69, 70.529, 44.195

29, 70.529, 44.195

79, 70.529, 44.195

19, 70.529, 44.195

89, 70.529, 44.195

9, 70.529, 44.195

99, 70.529, 44.195

0, 70.529, 44.195

49, 70.529, 44.195

49, 70.529, 44.195

47, 78.824, 44.331

52, 60.892, 43.579

45, 83.055, 44.252

55, 51.043, 42.942

■ 59, 41.496, 42.463

■ 63, 32.471, 42.181

■ 67, 24.051, 42.085

■ 71, 16.252, 42.142

■ 76, 9.048, 42.309

■ 80, 2.396, 42.433

■ 85, 3.755, 223.166

Harmonies

Complementary

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



49, 70.529, 44.195



63, 35.769, 235.501

Rectangle

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



49, 70.529, 44.195



49, 70.529, 94.195



49, 70.529, 224.195



49, 70.529, 274.195

Sweetspot

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



49, 70.527, 44.197



87, 20.577, 42.125



48, 80.054, 337.439



44, 14.247, 42.096



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, 70.527, 44.197



56, 98.691, 43.911



67, 65.103, 83.404



41, 3.650, 42.397



37, 70.793, 44.656



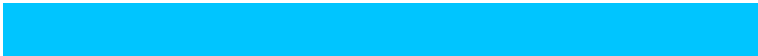
5, 15.789, 32.351

Inverse Universe

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



63, 35.769, 235.501



74, 44.957, 242.606



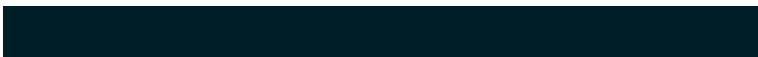
39, 74.217, 294.081



42, 3.450, 223.274



50, 32.385, 241.253



9, 11.748, 231.184

Previews

White Background



This preview shows how the CIELCh color 49, 70.529, 44.195 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, 70.529, 44.195 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, 70.529, 44.195

Background



This preview shows how black text looks on a background with the CIELCh color 49, 70.529, 44.195.



This preview shows how white text looks on a background with the CIELCh color 49, 70.529, 44.195.

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, 70.529, 44.195

Protanopia

49, 40.674, 95.271

Deuteranopia

49, 52.552, 83.074



Tritanopia
49, 61.105, 27.464

Trichromacy



Original Color
49, 70.529, 44.195

Protanomaly
48, 45.548, 67.270

Deuteranomaly
48, 55.841, 65.033

Tritanomaly
49, 64.264, 34.321

Monochromacy



Original Color
49, 70.529, 44.195

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 23.979, 41.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 70.529, 44.195 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(204, 72, 33)` looks like.

```
.text, #text, p{  
    color:rgb(204, 72, 33)  
}
```

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(204, 72, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 72, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 70.529, 44.195 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(204, 72, 33) }
```

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

```
.border{ border-color:rgb(204, 72, 33) }
```

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

Here you see how a box with a 4 pixel rgb(204, 72, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 72, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 72, 33);  
box-shadow:4px 4px 4px 4px rgb(204, 72,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 70.529, 44.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 72, 33) }
```

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

```
.background{ background-color: rgb(204, 72,  
33) }
```

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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