

Converting Colors

CIELCh(52, 70.680, 52.294)

Have a look what the booklet for
CIELCh(52, 70.680, 52.294) contains.

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Color

CIELCh(52, 70.580, 52.556)

Conversions

Conversions Part 1

Format	Color
Hex	CD5916
RGB	205, 89, 22
RGB Percent	80%, 35%, 9%
CMY	0.1966, 0.6514, 0.9142
CMYK	0.00, 0.57, 0.89, 0.20
HSL	22°, 81%, 44%
HSV	22°, 89%, 80%
XYZ	28.8473, 20.1443, 3.1205
YIQ	116.0460, 90.6430, 3.7550

Conversions

Conversions Part 2

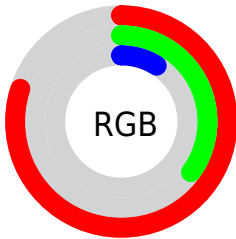
Format	Color
RYB	205, 128, 22
Decimal	13457686
CIELab	52.00, 42.91, 56.04
CIELCh	52, 70.580, 52.556
Yxy	20.1443, 0.5536, 0.3866
Android (android.graphics.Color)	4291647766 (0xFFCD5916)
YUV	116.0460, -46.3647, 78.0127
Hunter-Lab	44.8824, 36.1830, 27.2955

Details

The CIELCh color **52, 70.580, 52.556** 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 **55, 43.221, 262.464**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 65.556, 55.025**, and **32, 62.127, 46.062** is the 20% darker color. If you saturate the color by 10%, you get **50, 77.057, 50.834**, and if you desaturate by 10%, it is **55, 62.399, 53.658**.

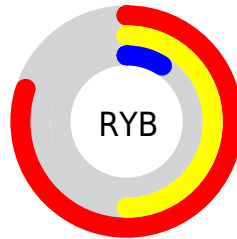
Distribution



Red (80%)

Green (35%)

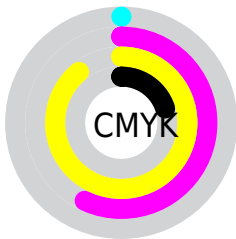
Blue (9%)



Red (80%)

Yellow (50%)

Blue (9%)

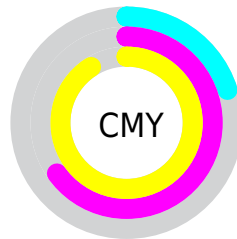


Cyan (0%)

Magenta (57%)

Yellow (89%)

Black (20%)



Cyan (20%)

Magenta (65%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 70.580, 52.556 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 52, 70.580, 52.556 by changing the saturation by 10% instead.

52, 70.580, 52.556

52, 70.580, 52.556

100, 70.580,
52.556

42, 70.580, 52.556

72, 70.580, 52.556

32, 70.580, 52.556

82, 70.580, 52.556

22, 70.580, 52.556

92, 70.580, 52.556

12, 70.580, 52.556

2, 70.580, 52.556

0, 70.580, 52.556

52, 70.580, 52.556

52, 70.580, 52.556

50, 77.057, 50.834

55, 62.399, 53.658

49, 77.497, 50.744

58, 53.420, 54.386

61, 44.409, 55.021

64, 35.723, 55.679

68, 27.507, 56.398

71, 19.804, 57.179

75, 12.605, 58.009

79, 5.878, 58.849

83, 0.420, 240.971

Harmonies

Complementary

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



52, 70.580, 52.556



55, 43.221, 262.464

Rectangle

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



52, 70.580, 52.556



52, 70.580, 102.556



52, 70.580, 232.556



52, 70.580, 282.556

Sweetspot

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



52, 70.578, 52.558



88, 21.631, 57.340



46, 75.070, 346.451



45, 14.753, 57.060



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 70.578, 52.558



61, 91.811, 50.267



73, 72.070, 93.206



41, 3.565, 58.844



40, 65.857, 51.315



7, 14.830, 42.908

Inverse Universe

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



55, 43.221, 262.464



64, 55.893, 268.523



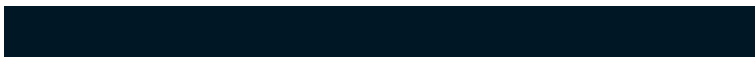
31, 94.963, 301.670



41, 3.419, 240.800



43, 39.692, 266.961



7, 12.840, 255.324

Previews

White Background



This preview shows how the CIELCh color 52, 70.580, 52.556 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 52, 70.580, 52.556 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 52, 70.580, 52.556

Background



This preview shows how black text looks on a background with the CIELCh color 52, 70.580, 52.556.



This preview shows how white text looks on a background with the CIELCh color 52, 70.580, 52.556.

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

52, 70.580, 52.556

Protanopia

52, 49.998, 95.548

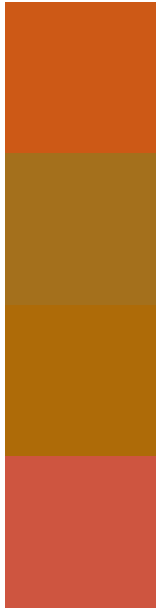
Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 54.433, 24.643

Trichromacy



Original Color
52, 70.580, 52.556

Protanomaly
51, 52.782, 75.177

Deuteranomaly
51, 60.537, 70.331

Tritanomaly
52, 59.101, 37.846

Monochromacy



Original Color
52, 70.580, 52.556

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 24.295, 55.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 70.580, 52.556 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(205, 89, 22)` looks like.

```
.text, #text, p{  
    color:rgb(205, 89, 22)  
}
```

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(205, 89, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 89, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 70.580, 52.556 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(205, 89, 22) }
```

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

```
.border{ border-color:rgb(205, 89, 22) }
```

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

Here you see how a box with a 4 pixel rgb(205, 89, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 89, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 89, 22);  
box-shadow:4px 4px 4px 4px rgb(205, 89,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 70.580, 52.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 89, 22) }
```

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

```
.background{ background-color: rgb(205, 89,  
22) }
```

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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