

Converting Colors

CIELCh(58, 44.315, 51.915)

Have a look what the booklet for
CIELCh(58, 44.315, 51.915) contains.

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Color

CIELCh(58, 44.235, 51.402)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C77750 |
| RGB | 199, 119, 80 |
| RGB Percent | 78%, 47%, 31% |
| CMY | 0.2191, 0.5329, 0.6859 |
| CMYK | 0.00, 0.40, 0.60, 0.22 |
| HSL | 20°, 52%, 55% |
| HSV | 20°, 60%, 78% |
| XYZ | 31.6497, 25.9610, 10.9528 |
| YIQ | 138.4740, 60.1990, 4.8310 |

Conversions

Conversions Part 2

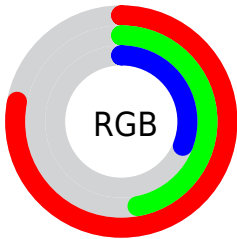
| Format | Color |
|-------------------------------------|---|
| RYB | 199, 138, 80 |
| Decimal | 13072208 |
| CIELab | 58.00, 27.60, 34.57 |
| CIELCh | 58, 44.235, 51.402 |
| Yxy | 25.9610, 0.4616, 0.3786 |
| Android (android.graphics.Color) | 4291262288 (0xFFC77750) |
| YUV | 138.4740, -28.8277, 53.0813 |
| Hunter-Lab | 50.9519, 21.7127, 22.9212 |

Details

The CIELCh color **58, 44.235, 51.402** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **63, 30.301, 244.726**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 42.707, 52.617**, and **38, 44.212, 50.883** is the 20% darker color. If you saturate the color by 10%, you get **55, 53.274, 51.076**, and if you desaturate by 10%, it is **61, 35.554, 51.796**.

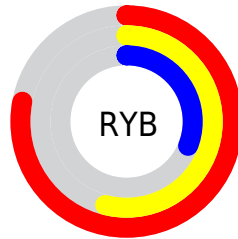
Distribution



Red (78%)

Green (47%)

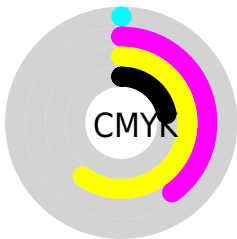
Blue (31%)



Red (78%)

Yellow (54%)

Blue (31%)

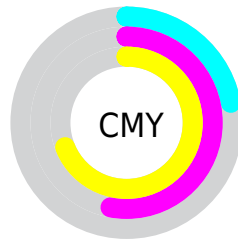


Cyan (0%)

Magenta (40%)

Yellow (60%)

Black (22%)



Cyan (22%)

Magenta (53%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 44.235, 51.402 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 58, 44.235, 51.402 by changing the saturation by 10% instead.

 58, 44.235, 51.402

 58, 44.235, 51.402

 100, 44.235,
51.402

 48, 44.235, 51.402

 78, 44.235, 51.402

 38, 44.235, 51.402

 88, 44.235, 51.402

 28, 44.235, 51.402

 98, 44.235, 51.402

 18, 44.235, 51.402

 8, 44.235, 51.402

 0, 44.235, 51.402

 58, 44.235, 51.402

 58, 44.235, 51.402

 55, 53.274, 51.076

 61, 35.554, 51.796

 52, 62.323, 50.689

 65, 27.376, 52.281

49, 70.613, 49.952

69, 19.738, 52.856

47, 77.301, 48.666

73, 12.631, 53.503

47, 77.456, 48.648

76, 6.019, 54.181

80, 0.141, 238.494

84, 5.897, 235.897

88, 11.295,
236.657

92, 15.262,
230.305

Harmonies

Complementary

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



58, 44.235, 51.402



63, 30.301, 244.726

Rectangle

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



58, 44.235, 51.402



58, 44.235, 101.402



58, 44.235, 231.402



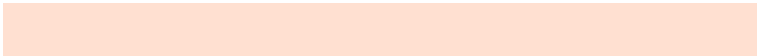
58, 44.235, 281.402

Sweetspot

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



58, 44.234, 51.406



91, 13.978, 53.605



52, 59.997, 339.971



47, 9.819, 53.406



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 44.234, 51.406



68, 67.787, 50.965



72, 51.650, 94.366



40, 3.485, 54.207



39, 66.469, 49.162



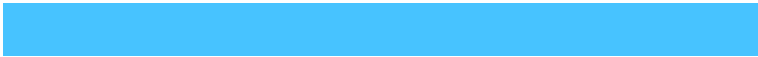
6, 13.423, 40.129

Inverse Universe

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



63, 30.301, 244.726



75, 42.168, 249.133



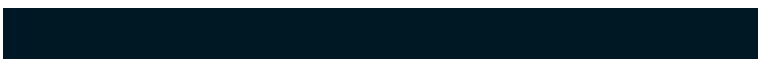
46, 57.504, 292.040



40, 3.326, 235.900



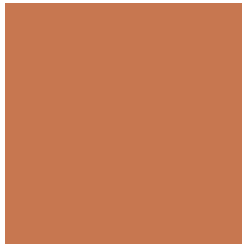
44, 36.544, 260.586



7, 11.612, 249.405

Previews

White Background



This preview shows how the CIELCh color 58, 44.235, 51.402 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 CIE LCh color 58, 44.235, 51.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

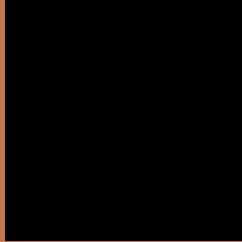
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 44.235, 51.402

Background



This preview shows how black text looks on a background with the CIELCh color 58, 44.235, 51.402.



This preview shows how white text looks on a background with the CIELCh color 58, 44.235, 51.402.

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

58, 44.235, 51.402

Protanopia

58, 29.552, 96.342

Deuteranopia

58, 36.323, 77.707



Tritanopia
58, 37.078, 17.130

Trichromacy



Original Color
58, 44.235, 51.402

Protanomaly
58, 31.761, 75.091

Deuteranomaly
58, 38.080, 66.913

Tritanomaly
58, 37.802, 31.088

Monochromacy



Original Color
58, 44.235, 51.402

Achromatopsia
58, 0.007, 296.813

Achromatomaly
57, 14.705, 52.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 44.235, 51.402 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(199, 119, 80)` looks like.

```
.text, #text, p{  
    color:rgb(199, 119, 80)  
}
```

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(199, 119, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 119, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 44.235, 51.402 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(199, 119, 80) }
```

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

```
.border{ border-color:rgb(199, 119, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 119, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 119, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 119, 80);  
box-shadow:4px 4px 4px 4px rgb(199, 119,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 44.235, 51.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 119, 80) }
```

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

```
.background{ background-color: rgb(199,  
119, 80) }
```

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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