Converting Colors

CIELCh(58, 68.502, 54.465)

Have a look what the booklet for CIELCh(58, 68.502, 54.465) contains.

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Color

CIELCh(58, 68.428, 54.505)

Conversions

Format	Color
	Conversions Part 1
Hex	DC6C27
RGB	220, 108, 39
RGB Percent	86%, 42%, 15%
CMY	0.1387, 0.5777, 0.8483
CMYK	0.00, 0.51, 0.82, 0.14
HSL	23°, 72%, 51%
HSV	23°, 82%, 86%
XYZ	35.0923, 25.9610, 5.0535
YIQ	133.6220, 88.9010, 2.2850

Conversions

Conversions Part 2

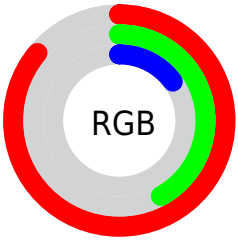
Format	Color
RYB	220, 151, 39
Decimal	14445607
CIELab	58.00, 39.73, 55.71
CIELCh	58, 68.428, 54.505
Yxy	25.9610, 0.5308, 0.3927
Android (android.graphics.Color)	4292635687 (0xFFDC6C27)
YUV	133.6220, -46.6486, 75.7535
Hunter-Lab	50.9519, 33.7730, 29.7858

Details

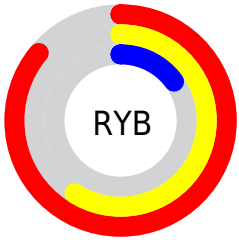
The CIELCh color 58, 68.428, 54.505 is a dark color, and the websafe version is hex CC6600. The color can be described as dark washed orange. A complement of this color would be 60, 44.095, 261.646, and the grayscale version is 56, 0.007, 296.813.

A 20% lighter version of the original color is 75, 58.258, 60.539, and 38, 63.682, 51.131 is the 20% darker color. If you saturate the color by 10%, you get 55, 76.333, 53.030, and if you desaturate by 10%, it is 61, 59.232, 55.453.

Distribution

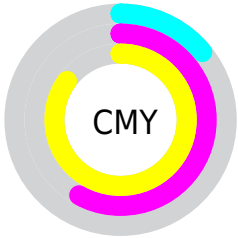


- Red (86%)
- Green (42%)
- Blue (15%)



- Red (86%)
- Yellow (59%)
- Blue (15%)

- Cyan (0%)
- Magenta (51%)
- Yellow (82%)
- Black (14%)



- Cyan (14%)
- Magenta (58%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 68.428, 54.505 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, 68.428, 54.505 by changing the saturation by 10% instead.

58, 68.428, 54.505

100, 68.428, 54.505

78, 68.428, 54.505

88, 68.428, 54.505

98, 68.428, 54.505

58, 68.428, 54.505

48, 68.428, 54.505

38, 68.428, 54.505

28, 68.428, 54.505

18, 68.428, 54.505

8, 68.428, 54.505

0, 68.428, 54.505

58, 68.428, 54.505

55, 76.333, 53.030

53, 81.084, 51.502

58, 68.428, 54.505

61, 59.232, 55.453

64, 49.757, 56.218

68, 40.507, 56.965

71, 31.698, 57.752

75, 23.407, 58.594

79, 15.639, 59.481

83, 8.370, 60.389

87, 1.557, 61.090

91, 4.846, 242.473

Harmonies

Complementary

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

58, 68.428, 54.505

60, 44.095, 261.646

Rectangle

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

58, 68.428, 54.505

58, 68.428, 104.505

58, 68.428, 234.505

58, 68.428, 284.505

Sweetspot

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

58, 68.426, 54.508

89, 19.905, 59.227

51, 76.667, 346.250

46, 13.744, 58.912

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, 68.426, 54.508

62, 90.379, 51.384

79, 74.025, 95.097

44, 3.795, 60.651

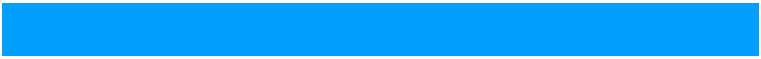
43, 67.607, 52.117

9, 18.847, 46.585

Inverse Universe

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

60, 44.095, 261.646



63, 57.161, 270.293

36, 94.406, 300.550

44, 3.646, 242.712

44, 42.367, 269.438

9, 15.077, 258.739

Previews

White Background

This preview shows how the CIELCh color 58, 68.428, 54.505 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

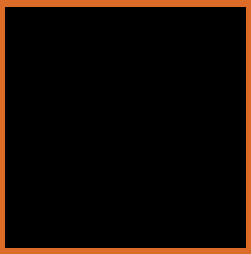
This preview shows how the CIELCh color 58, 68.428, 54.505 looks on a black background.

Color Contrast Check

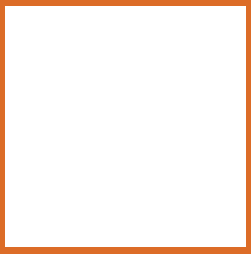
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 58, 68.428, 54.505 Background



This preview shows how black text looks on a background with the CIELCh color 58, 68.428, 54.505.



This preview shows how white text looks on a background with the CIELCh color 58, 68.428, 54.505.

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, 68.428, 54.505

Protanopia
58, 49.987, 95.192

Deuteranopia
58, 57.896, 82.896

Tritanopia
58, 51.645, 22.031

Trichromacy

Original Color
58, 68.428, 54.505

Protanomaly
57, 52.543, 76.422

Deuteranomaly
58, 59.818, 71.072

Tritanomaly
58, 55.731, 36.754

Monochromacy

Original Color
58, 68.428, 54.505

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 23.089, 58.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 68.428, 54.505 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(220, 108, 39) looks like.

```
.text, #text, p{
    color:rgb(220, 108, 39)
}
```

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(220, 108, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 108, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 68.428, 54.505 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(220, 108, 39) }
```

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

```
.border{ border-color:rgb(220, 108, 39) }
```

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

Here you see how a box with a 4 pixel rgb(220, 108, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 108, 39); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 108, 39); box-shadow:4px 4px 4px 4px rgb(220, 108, 39) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 68.428, 54.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(220, 108, 39) }
```

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

```
.background{ background-color:rgb(220,
108, 39) }
```

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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