Converting Colors

CIELCh(58, 74.997, 131.244)

Have a look what the booklet for CIELCh(58, 74.997, 131.244) contains.

Color

CIELCh(58, 75.028, 131.250)

Conversions

Conversions Part 1

Format	Color
Hex	459F14
RGB	69, 159, 20
RGB Percent	27%, 62%, 8%
CMY	0.7312, 0.3780, 0.9199
CMYK	0.57, 0.00, 0.87, 0.38
HSL	99°, 77%, 35%
HSV	99°, 87%, 62%
XYZ	14.8828, 25.9610, 4.9079
YIQ	116.2440, -9.0210, -62.3090

Conversions

Conversions Part 2

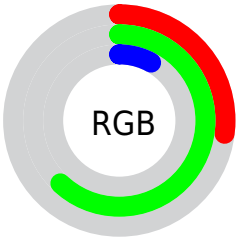
Format	Color
RYB	20, 159, 110
Decimal	4562708
CIELab	58.00, -49.47, 56.41
CIELCh	58, 75.028, 131.250
Yxy	25.9610, 0.3253, 0.5674
Android (android.graphics.Color)	4282752788 (0xFF459F14)
YUV	116.2440, -47.4483, -41.4330
Hunter-Lab	50.9519, -37.0268, 29.9553

Details

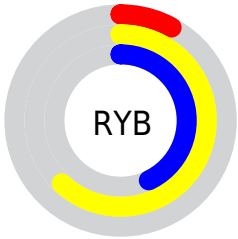
The CIELCh color 58, 75.028, 131.250 is a dark color, and the websafe version is hex 339900. A complement of this color would be 30, 79.733, 316.611, and the grayscale version is 49, 0.007, 296.813.

A 20% lighter version of the original color is 78, 75.425, 131.236, and 38, 62.800, 136.016 is the 20% darker color. If you saturate the color by 10%, you get 58, 78.845, 131.863, and if you desaturate by 10%, it is 58, 69.510, 131.026.

Distribution

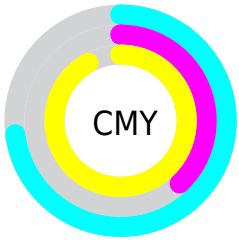


- Red (27%)
- Green (62%)
- Blue (8%)



- Red (8%)
- Yellow (62%)
- Blue (43%)

- Cyan (57%)
- Magenta (0%)
- Yellow (87%)
- Black (38%)



- Cyan (73%)
- Magenta (38%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 75.028, 131.250 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, 75.028, 131.250 by changing the saturation by 10% instead.

58, 75.028, 131.250

100, 75.028, 131.250

78, 75.028, 131.250

88, 75.028, 131.250

98, 75.028, 131.250

58, 75.028, 131.250

48, 75.028, 131.250

38, 75.028, 131.250

28, 75.028, 131.250

18, 75.028, 131.250

8, 75.028, 131.250

0, 75.028, 131.250

58, 75.028, 131.250

58, 78.845, 131.863

58, 79.822, 132.020

58, 75.028, 131.250

58, 69.510, 131.026

59, 62.475, 131.146

60, 54.326, 131.490

60, 45.427, 131.952

61, 36.059, 132.461

62, 26.428, 132.970

63, 16.678, 133.456

64, 6.914, 133.914

66, 2.788, 314.245

Harmonies

Complementary

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

58, 75.028, 131.250

30, 79.733, 316.611

Rectangle

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

58, 75.028, 131.250

58, 75.028, 181.250

58, 75.028, 311.250

58, 75.028, 1.250

Sweetspot

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

58, 75.028, 131.251

79, 31.414, 133.001

50, 53.622, 77.274

42, 21.454, 132.838

92, 0.011, 296.813

44, 0.006, 296.813

Same Dimension

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

58, 75.028, 131.251

73, 97.420, 132.290

57, 75.094, 139.450

33, 5.479, 133.818

52, 73.809, 131.891

3, 7.197, 134.765

Inverse Universe

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

30, 79.733, 316.611

37, 103.166, 315.806

37, 70.036, 334.257

31, 5.529, 314.544

25, 78.377, 316.094

1, 7.103, 313.081

Previews

White Background

This preview shows how the CIELCh color 58, 75.028, 131.250 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, 75.028, 131.250 looks on a black background.

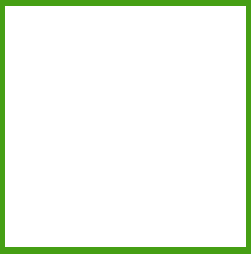
Color Contrast Check

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, 75.028, 131.250 Background

This preview shows how black text looks on a background with the CIELCh color 58, 75.028, 131.250.

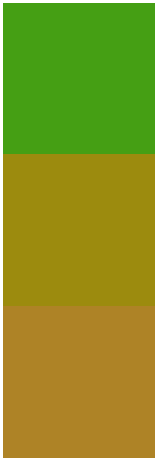


This preview shows how white text looks on a background with the CIELCh color 58, 75.028, 131.250.

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, 75.223, 131.160

Protanopia
58, 59.967, 95.413

Deuteranopia
57, 53.848, 81.760

Tritanopia
58, 19.303, 216.913

Trichromacy

Original Color
58, 75.223, 131.160

Protanomaly
57, 62.342, 112.393

Deuteranomaly
56, 55.381, 106.035

Tritanomaly
57, 35.685, 153.368

Monochromacy

Original Color
58, 75.223, 131.160

Achromatopsia
49, 0.007, 296.813

Achromatomaly
51, 31.591, 132.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 75.028, 131.250 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(69, 159, 20) looks like.

```
.text, #text, p{
    color:rgb(69, 159, 20)
}
```

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(69, 159, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 159, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 75.028, 131.250 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(69, 159, 20) }
```

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

```
.border{ border-color:rgb(69, 159, 20) }
```

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

Here you see how a box with a 4 pixel rgb(69, 159, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(69, 159, 20); -webkit-box-shadow:4px 4px 4px 4px rgb(69, 159, 20); box-shadow:4px 4px 4px 4px rgb(69, 159, 20) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 75.028, 131.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(69, 159, 20) }
```

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

```
.background{ background-color:rgb(69, 159,
20) }
```

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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