

Converting Colors

CIELCh(58, 74.601, 49.355)

Have a look what the booklet for
CIELCh(58, 74.601, 49.355) contains.

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Color

CIELCh(58, 74.659, 49.272)

Conversions

Conversions Part 1

Format	Color
Hex	E76226
RGB	231, 98, 38
RGB Percent	91%, 38%, 15%
CMY	0.0930, 0.6147, 0.8500
CMYK	0.00, 0.58, 0.83, 0.09
HSL	19°, 80%, 53%
HSV	19°, 83%, 91%
XYZ	37.7948, 25.9610, 4.8730
YIQ	130.9270, 98.5280, 9.5360

Conversions

Conversions Part 2

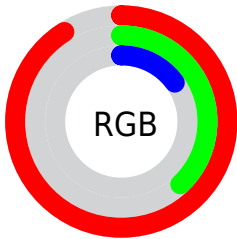
Format	Color
RYB	231, 125, 38
Decimal	15163942
CIELab	58.00, 48.71, 56.58
CIELCh	58, 74.659, 49.272
Yxy	25.9610, 0.5507, 0.3783
Android (android.graphics.Color)	4293354022 (0xFFE76226)
YUV	130.9270, -45.8130, 87.7640
Hunter-Lab	50.9519, 43.2407, 29.9959

Details

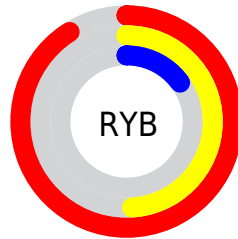
The CIELCh color **58, 74.659, 49.272** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **66, 42.083, 250.851**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 59.172, 55.804**, and **38, 70.368, 45.943** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.307, 48.384**, and if you desaturate by 10%, it is **61, 64.530, 49.596**.

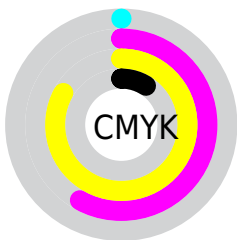
Distribution



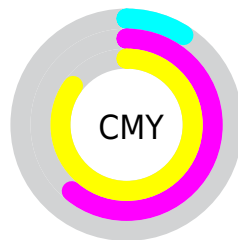
- Red (91%)
- Green (38%)
- Blue (15%)



- Red (91%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (58%)
- Yellow (83%)
- Black (9%)



- Cyan (9%)
- Magenta (61%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 74.659, 49.272 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, 74.659, 49.272 by changing the saturation by 10% instead.

■ 58, 74.659, 49.272

■ 58, 74.659, 49.272

■ 100, 74.659,
49.272

■ 48, 74.659, 49.272

■ 78, 74.659, 49.272

■ 38, 74.659, 49.272

■ 88, 74.659, 49.272

■ 28, 74.659, 49.272

■ 98, 74.659, 49.272

■ 18, 74.659, 49.272

■ 8, 74.659, 49.272

■ 0, 74.659, 49.272

■ 58, 74.659, 49.272

■ 58, 74.659, 49.272

■ 55, 83.307, 48.384

■ 61, 64.530, 49.596

■ 54, 87.778, 47.472

■ 65, 54.127, 49.778

69, 44.025, 50.006

73, 34.464, 50.338

77, 25.527, 50.781

81, 17.221, 51.318

86, 9.514, 51.919

90, 2.358, 52.424

95, 4.305, 233.513

Harmonies

Complementary

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



58, 74.659, 49.272



66, 42.083, 250.851

Rectangle

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



58, 74.659, 49.272



58, 74.659, 99.272



58, 74.659, 229.272



58, 74.659, 279.272

Sweetspot

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



58, 74.657, 49.275



88, 19.985, 51.223



53, 83.385, 342.214



45, 13.822, 51.029



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, 74.657, 49.275



59, 94.689, 47.293



79, 74.587, 90.085



46, 3.928, 52.161



42, 71.858, 48.044



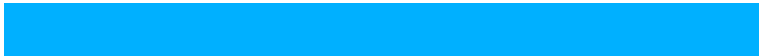
10, 22.150, 41.578

Inverse Universe

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



66, 42.083, 250.851



68, 50.356, 259.224



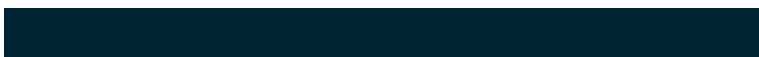
40, 92.020, 298.292



46, 3.738, 233.750



49, 38.085, 257.976



12, 14.905, 248.770

Previews

White Background



This preview shows how the CIELCh color 58, 74.659, 49.272 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, 74.659, 49.272 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, 74.659, 49.272

Background



This preview shows how black text looks on a background with the CIELCh color 58, 74.659, 49.272.



This preview shows how white text looks on a background with the CIELCh color 58, 74.659, 49.272.

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, 74.659, 49.272

Protanopia

58, 49.059, 95.684

Deuteranopia

58, 59.296, 83.197



Tritanopia
58, 60.580, 24.775

Trichromacy



Original Color
58, 74.659, 49.272

Protanomaly
57, 52.680, 73.025

Deuteranomaly
57, 61.946, 67.957

Tritanomaly
58, 64.507, 35.673

Monochromacy



Original Color
58, 74.659, 49.272

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 25.236, 50.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 74.659, 49.272 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(231, 98, 38)` looks like.

```
.text, #text, p{  
    color:rgb(231, 98, 38)  
}
```

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(231, 98, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 98, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 74.659, 49.272 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(231, 98, 38) }
```

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

```
.border{ border-color:rgb(231, 98, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 98, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 98, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 98, 38);  
box-shadow:4px 4px 4px 4px rgb(231, 98,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 74.659, 49.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 98, 38) }
```

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

```
.background{ background-color: rgb(231, 98,  
38) }
```

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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