

Converting Colors

CIELCh(59, 79.101, 58.423)

Have a look what the booklet for
CIELCh(59, 79.101, 58.423) contains.

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Color

CIELCh(59, 78.799, 58.272)

Conversions

Conversions Part 1

Format	Color
Hex	E26C01
RGB	226, 108, 1
RGB Percent	89%, 42%, 0%
CMY	0.1122, 0.5752, 0.9977
CMYK	0.00, 0.52, 1.00, 0.11
HSL	29°, 99%, 45%
HSV	29°, 100%, 89%
XYZ	36.8884, 27.0277, 3.2891
YIQ	131.0840, 104.6750, -8.2610

Conversions

Conversions Part 2

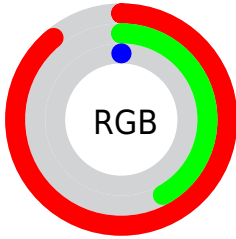
Format	Color
R_{YB}	226, 205, 1
Decimal	14838785
CIE _{Lab}	59.00, 41.44, 67.02
CIE _{LCh}	59, 78.799, 58.272
Yxy	27.0277, 0.5489, 0.4022
Android (android.graphics.Color)	4293028865 (0xFFE26C01)
YUV	131.0840, -64.1314, 83.2413
Hunter-Lab	51.9882, 35.6760, 32.6407

Details

The CIELCh color **59, 78.799, 58.272** 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 **50, 63.681, 282.281**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 66.623, 65.603**, and **39, 65.613, 50.387** is the 20% darker color. If you saturate the color by 10%, you get **59, 78.931, 58.211**, and if you desaturate by 10%, it is **61, 73.434, 60.897**.

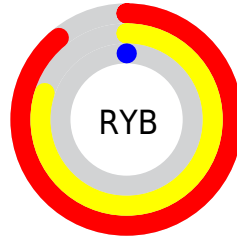
Distribution



Red (89%)

Green (42%)

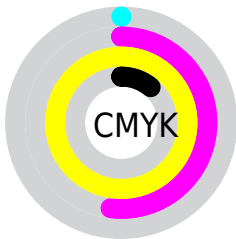
Blue (0%)



Red (89%)

Yellow (80%)

Blue (0%)

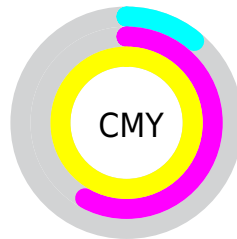


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 78.799, 58.272 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 59, 78.799, 58.272 by changing the saturation by 10% instead.

59, 78.799, 58.272

59, 78.799, 58.272

100, 78.799,
58.272

49, 78.799, 58.272

79, 78.799, 58.272

39, 78.799, 58.272

89, 78.799, 58.272

29, 78.799, 58.272

99, 78.799, 58.272

19, 78.799, 58.272

9, 78.799, 58.272

0, 78.799, 58.272

59, 78.799, 58.272

59, 78.799, 58.272

59, 78.931, 58.211

61, 73.434, 60.897

64, 66.015, 62.848

67, 57.336, 64.344

70, 48.273, 65.646

73, 39.295, 66.879

76, 30.619, 68.094

80, 22.328, 69.306

83, 14.443, 70.511

87, 6.948, 71.686

Harmonies

Complementary

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



59, 78.799, 58.272



50, 63.681, 282.281

Rectangle

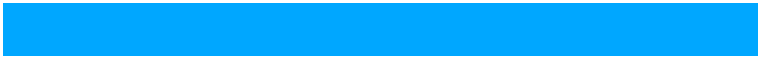
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 78.799, 58.272



59, 78.799, 108.272



59, 78.799, 238.272



59, 78.799, 288.272

Sweetspot

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



59, 78.796, 58.274



88, 24.831, 69.251



49, 77.862, 359.343



46, 17.129, 68.737



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 78.796, 58.274



66, 86.499, 57.941



85, 86.354, 100.690



45, 4.016, 71.721



46, 65.118, 58.896



11, 19.661, 57.668

Inverse Universe

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



50, 63.681, 282.281



56, 70.303, 282.724



29, 120.815, 305.959



45, 3.915, 254.175



39, 52.035, 281.555



8, 18.254, 272.089

Previews

White Background



This preview shows how the CIELCh color 59, 78.799, 58.272 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 59, 78.799, 58.272 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 59, 78.799, 58.272

Background



This preview shows how black text looks on a background with the CIELCh color 59, 78.799, 58.272.



This preview shows how white text looks on a background with the CIELCh color 59, 78.799, 58.272.

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

59, 78.652, 58.197

Protanopia

59, 60.151, 95.156

Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 54.515, 22.637

Trichromacy



Original Color
59, 78.652, 58.197

Protanomaly
58, 63.043, 78.509

Deuteranomaly
59, 67.957, 72.462

Tritanomaly
59, 62.586, 42.772

Monochromacy



Original Color
59, 78.652, 58.197

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 30.204, 66.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 78.799, 58.272 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(226, 108, 1)` looks like.

```
.text, #text, p{  
    color:rgb(226, 108, 1)  
}
```

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(226, 108, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 108, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 78.799, 58.272 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(226, 108, 1) }
```

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

```
.border{ border-color:rgb(226, 108, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 108, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 108, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 108, 1);  
box-shadow:4px 4px 4px 4px rgb(226, 108,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 78.799, 58.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 108, 1) }
```

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

```
.background{ background-color: rgb(226,  
108, 1) }
```

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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