

Converting Colors

CIELCh(59, 78.178, 58.711)

Have a look what the booklet for
CIELCh(59, 78.178, 58.711) contains.

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Color

CIELCh(59, 78.145, 58.731)

Conversions

Conversions Part 1

Format	Color
Hex	E16D01
RGB	225, 109, 1
RGB Percent	88%, 43%, 0%
CMY	0.1167, 0.5718, 0.9947
CMYK	0.00, 0.52, 0.99, 0.12
HSL	29°, 99%, 44%
HSV	29°, 99%, 88%
XYZ	36.6228, 27.0277, 3.3255
YIQ	131.3720, 103.8040, -8.9960

Conversions

Conversions Part 2

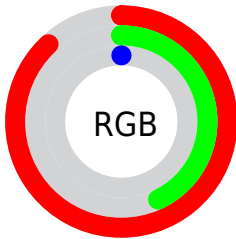
Format	Color
R _Y B	225, 210, 1
Decimal	14773505
CIE Lab	59.00, 40.56, 66.79
CIE LCh	59, 78.145, 58.731
Yxy	27.0277, 0.5468, 0.4035
Android (android.graphics.Color)	4292963585 (0xFFE16D01)
YUV	131.3720, -64.2734, 82.1118
Hunter-Lab	51.9882, 34.7638, 32.5992

Details

The CIELCh color **59, 78.145, 58.731** 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, 63.782, 282.587**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.617, 66.092**, and **39, 65.007, 50.892** is the 20% darker color. If you saturate the color by 10%, you get **59, 78.456, 58.583**, and if you desaturate by 10%, it is **61, 72.811, 61.362**.

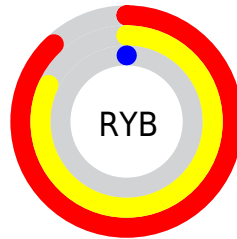
Distribution



Red (88%)

Green (43%)

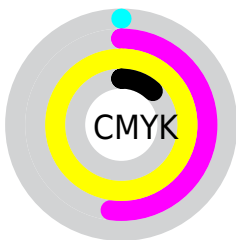
Blue (0%)



Red (88%)

Yellow (82%)

Blue (0%)

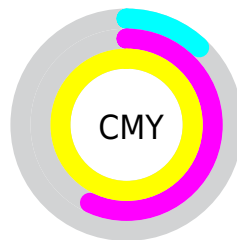


Cyan (0%)

Magenta (52%)

Yellow (99%)

Black (12%)



Cyan (12%)

Magenta (57%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 78.145, 58.731 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, 78.145, 58.731 by changing the saturation by 10% instead.

■ 59, 78.145, 58.731

■ 59, 78.145, 58.731

■ 100, 78.145,
58.731

■ 49, 78.145, 58.731

■ 79, 78.145, 58.731

■ 39, 78.145, 58.731

■ 89, 78.145, 58.731

■ 29, 78.145, 58.731

■ 99, 78.145, 58.731

■ 19, 78.145, 58.731

■ 9, 78.145, 58.731

■ 0, 78.145, 58.731

■ 59, 78.145, 58.731

■ 59, 78.145, 58.731

■ 59, 78.456, 58.583

■ 61, 72.811, 61.362

■ 64, 65.410, 63.309

67, 56.782, 64.815

70, 47.780, 66.131

73, 38.862, 67.379

76, 30.240, 68.607

79, 21.996, 69.830

83, 14.148, 71.044

86, 6.683, 72.225

Harmonies

Complementary

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



59, 78.145, 58.731



50, 63.782, 282.587

Rectangle

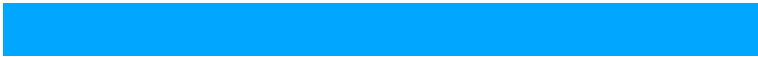
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 78.145, 58.731



59, 78.145, 108.731



59, 78.145, 238.731



59, 78.145, 288.731

Sweetspot

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



59, 78.143, 58.733



89, 24.877, 69.731



49, 77.535, 359.199



46, 17.157, 69.212



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, 78.143, 58.733



66, 86.313, 58.300



85, 85.961, 100.702



45, 4.027, 72.220



47, 64.987, 59.256



11, 19.655, 58.175

Inverse Universe

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



50, 63.782, 282.587



56, 70.961, 283.196



29, 120.187, 305.934



45, 3.928, 254.685



39, 52.514, 282.034



8, 18.394, 272.611

Previews

White Background



This preview shows how the CIELCh color 59, 78.145, 58.731 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, 78.145, 58.731 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, 78.145, 58.731

Background



This preview shows how black text looks on a background with the CIELCh color 59, 78.145, 58.731.



This preview shows how white text looks on a background with the CIELCh color 59, 78.145, 58.731.

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, 78.145, 58.731

Protanopia

59, 60.151, 95.156

Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 53.766, 22.986

Trichromacy



Original Color
59, 78.145, 58.731

Protanomaly
58, 62.898, 79.414

Deuteranomaly
59, 67.678, 73.261

Tritanomaly
59, 61.963, 43.309

Monochromacy



Original Color
59, 78.145, 58.731

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 30.292, 68.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 78.145, 58.731 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(225, 109, 1)` looks like.

```
.text, #text, p{  
    color:rgb(225, 109, 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(225, 109, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 109, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 78.145, 58.731 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(225, 109, 1) }
```

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

```
.border{ border-color:rgb(225, 109, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 109, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 109, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 109, 1);  
box-shadow:4px 4px 4px 4px rgb(225, 109,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 78.145, 58.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 109, 1) }
```

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

```
.background{ background-color: rgb(225,  
109, 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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