

Converting Colors

CIELCh(61, 78.957, 59.991)

Have a look what the booklet for
CIELCh(61, 78.957, 59.991) contains.

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Color

CIELCh(61, 78.934, 59.950)

Conversions

Conversions Part 1

Format	Color
Hex	E67302
RGB	230, 115, 2
RGB Percent	90%, 45%, 1%
CMY	0.0963, 0.5475, 0.9933
CMYK	0.00, 0.50, 0.99, 0.10
HSL	30°, 99%, 46%
HSV	30°, 99%, 90%
XYZ	38.9615, 29.2481, 3.6410
YIQ	136.5030, 104.8130, -10.7630

Conversions

Conversions Part 2

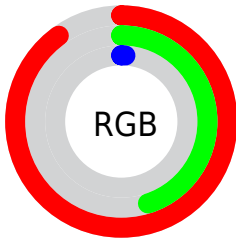
Format	Color
RYB	230, 226, 2
Decimal	15102722
CIELab	61.00, 39.53, 68.32
CIELCh	61, 78.934, 59.950
Yxy	29.2481, 0.5423, 0.4071
Android (android.graphics.Color)	4293292802 (0xFFE67302)
YUV	136.5030, -66.3100, 81.9969
Hunter-Lab	54.0815, 33.9524, 33.8654

Details

The CIELCh color **61, 78.934, 59.950** 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, 66.918, 284.135**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 65.973, 69.192**, and **41, 65.625, 52.345** is the 20% darker color. If you saturate the color by 10%, you get **61, 79.301, 59.758**, and if you desaturate by 10%, it is **63, 73.746, 62.654**.

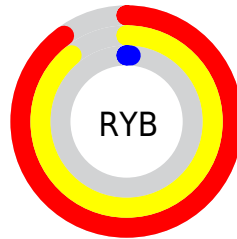
Distribution



Red (90%)

Green (45%)

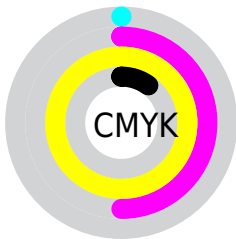
Blue (1%)



Red (90%)

Yellow (89%)

Blue (1%)

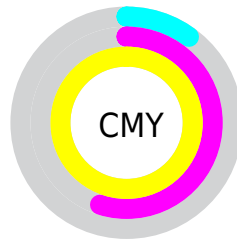


Cyan (0%)

Magenta (50%)

Yellow (99%)

Black (10%)



Cyan (10%)

Magenta (55%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 78.934, 59.950 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 61, 78.934, 59.950 by changing the saturation by 10% instead.

61, 78.934, 59.950

61, 78.934, 59.950

100, 78.934,
59.950

51, 78.934, 59.950

81, 78.934, 59.950

41, 78.934, 59.950

91, 78.934, 59.950

31, 78.934, 59.950

21, 78.934, 59.950

11, 78.934, 59.950

1, 78.934, 59.950

0, 78.934, 59.950

61, 78.934, 59.950

61, 78.934, 59.950

61, 79.301, 59.758

63, 73.746, 62.654

66, 66.392, 64.664

69, 57.739, 66.235

72, 48.658, 67.611

75, 39.622, 68.911

78, 30.856, 70.183

81, 22.448, 71.444

85, 14.422, 72.689

88, 6.768, 73.897

Harmonies

Complementary

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



61, 78.934, 59.950



50, 66.918, 284.135

Rectangle

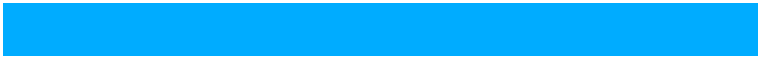
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 78.934, 59.950



61, 78.934, 109.950



61, 78.934, 239.950



61, 78.934, 289.950

Sweetspot

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



61, 78.932, 59.952



89, 25.043, 71.329



50, 78.564, 0.775



46, 17.262, 70.796



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 78.932, 59.952



67, 85.714, 59.530



88, 88.517, 101.801



46, 4.141, 73.874



48, 65.274, 60.441



12, 20.922, 60.272

Inverse Universe

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



50, 66.918, 284.135



55, 73.204, 284.728



29, 122.935, 306.085



46, 4.049, 256.376



39, 54.785, 283.643



9, 19.676, 274.932

Previews

White Background



This preview shows how the CIELCh color 61, 78.934, 59.950 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 61, 78.934, 59.950 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 61, 78.934, 59.950

Background



This preview shows how black text looks on a background with the CIELCh color 61, 78.934, 59.950.



This preview shows how white text looks on a background with the CIELCh color 61, 78.934, 59.950.

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

61, 78.794, 59.883

Protanopia

61, 61.955, 94.977

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 53.583, 21.639

Trichromacy



Original Color
61, 78.794, 59.883

Protanomaly
60, 64.610, 79.758

Deuteranomaly
61, 69.324, 73.370

Tritanomaly
61, 61.856, 43.122

Monochromacy



Original Color
61, 78.794, 59.883

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 30.492, 68.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 78.934, 59.950 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(230, 115, 2)` looks like.

```
.text, #text, p{  
    color:rgb(230, 115, 2)  
}
```

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(230, 115, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 115, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 78.934, 59.950 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(230, 115, 2) }
```

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

```
.border{ border-color:rgb(230, 115, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 115, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 115, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 115, 2);  
box-shadow:4px 4px 4px 4px rgb(230, 115,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 78.934, 59.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 115, 2) }
```

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

```
.background{ background-color: rgb(230,  
115, 2) }
```

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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