

Converting Colors

CIELCh(61, 79.761, 59.651)

Have a look what the booklet for
CIELCh(61, 79.761, 59.651) contains.

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Color

CIELCh(61, 79.752, 59.642)

Conversions

Conversions Part 1

Format	Color
Hex	E87300
RGB	232, 115, 0
RGB Percent	91%, 45%, 0%
CMY	0.0921, 0.5505, 1.0000
CMYK	0.00, 0.50, 1.00, 0.09
HSL	30°, 100%, 45%
HSV	30°, 100%, 91%
XYZ	39.2075, 29.2481, 3.5582
YIQ	136.8730, 106.6470, -10.9610

Conversions

Conversions Part 2

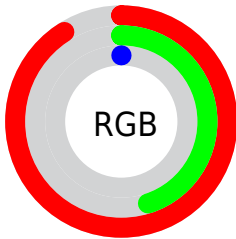
Format	Color
R_{YB}	232, 228, 0
Decimal	15233792
CIE Lab	61.00, 40.31, 68.82
CIE LCh	61, 79.752, 59.642
Yxy	29.2481, 0.5444, 0.4061
Android (android.graphics.Color)	4293423872 (0xFFE87300)
YUV	136.8730, -67.4784, 83.4264
Hunter-Lab	54.0815, 34.7644, 33.9562

Details

The CIELCh color **61, 79.752, 59.642** 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, 67.433, 284.288**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 66.347, 69.355**, and **41, 66.388, 52.023** is the 20% darker color. If you saturate the color by 10%, you get **61, 79.648, 59.596**, and if you desaturate by 10%, it is **63, 74.522, 62.314**.

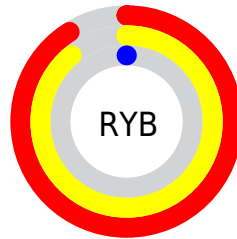
Distribution



Red (91%)

Green (45%)

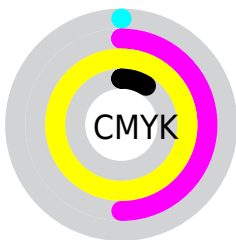
Blue (0%)



Red (91%)

Yellow (89%)

Blue (0%)

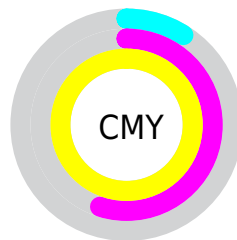


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 79.752, 59.642 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, 79.752, 59.642 by changing the saturation by 10% instead.

 61, 79.752, 59.642

 61, 79.752, 59.642

 100, 79.752,
59.642

 51, 79.752, 59.642

 81, 79.752, 59.642

 41, 79.752, 59.642

 91, 79.752, 59.642

 31, 79.752, 59.642

 21, 79.752, 59.642

 11, 79.752, 59.642

 1, 79.752, 59.642

 0, 79.752, 59.642

 61, 79.752, 59.642

 61, 79.752, 59.642

 61, 79.648, 59.596

 63, 74.522, 62.314

66, 67.265, 64.366

69, 58.625, 65.953

72, 49.510, 67.332

75, 40.421, 68.630

78, 31.595, 69.899

81, 23.128, 71.156

85, 15.048, 72.400

88, 7.345, 73.610

Harmonies

Complementary

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



61, 79.752, 59.642



50, 67.433, 284.288

Rectangle

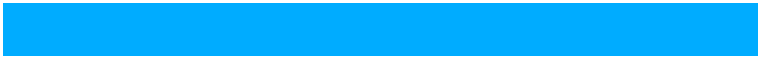
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 79.752, 59.642



61, 79.752, 109.642



61, 79.752, 239.642



61, 79.752, 289.642

Sweetspot

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



61, 79.648, 59.596



89, 25.022, 71.136



50, 78.911, 1.083



46, 17.249, 70.605



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, 79.648, 59.596



67, 85.785, 59.379



88, 88.958, 101.784



46, 4.136, 73.675



48, 65.324, 60.290



12, 20.922, 60.069

Inverse Universe

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



50, 67.433, 284.288



55, 72.929, 284.546



29, 123.703, 306.136



46, 4.043, 256.173



39, 54.582, 283.458



9, 19.613, 274.730

Previews

White Background



This preview shows how the CIELCh color 61, 79.752, 59.642 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, 79.752, 59.642 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, 79.752, 59.642

Background



This preview shows how black text looks on a background with the CIELCh color 61, 79.752, 59.642.



This preview shows how white text looks on a background with the CIELCh color 61, 79.752, 59.642.

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, 79.752, 59.642

Protanopia

61, 61.955, 94.977

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 54.116, 22.298

Trichromacy



Original Color
61, 79.752, 59.642

Protanomaly
60, 64.610, 79.758

Deuteranomaly
61, 69.474, 73.417

Tritanomaly
61, 62.584, 43.406

Monochromacy



Original Color
61, 79.752, 59.642

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 30.954, 69.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 79.752, 59.642 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(232, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 115, 0)  
}
```

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(232, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 79.752, 59.642 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(232, 115, 0) }
```

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

```
.border{ border-color:rgb(232, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 115,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 79.752, 59.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 115, 0) }
```

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

```
.background{ background-color: rgb(232,  
115, 0) }
```

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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