

Converting Colors

CIELCh(60, 79.530, 58.675)

Have a look what the booklet for
CIELCh(60, 79.530, 58.675) contains.

CIELCh(60, 79.692, 58.606)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(60, 79.692, 58.606)

Conversions

Conversions Part 1

Format	Color
Hex	E66F00
RGB	230, 111, 0
RGB Percent	90%, 44%, 0%
CMY	0.0988, 0.5653, 1.0000
CMYK	0.00, 0.52, 1.00, 0.10
HSL	29°, 100%, 45%
HSV	29°, 100%, 90%
XYZ	38.2348, 28.1233, 3.4047
YIQ	133.9270, 106.5550, -9.2930

Conversions

Conversions Part 2

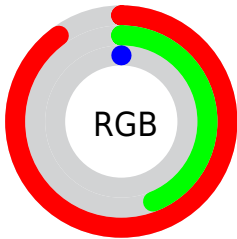
Format	Color
R_{YB}	230, 215, 0
Decimal	15101696
CIE _{Lab}	60.00, 41.51, 68.03
CIE _{LCh}	60, 79.692, 58.606
Yxy	28.1233, 0.5481, 0.4031
Android (android.graphics.Color)	4293291776 (0xFFE66F00)
YUV	133.9270, -66.0260, 84.2560
Hunter-Lab	53.0314, 35.8904, 33.3155

Details

The CIELCh color **60, 79.692, 58.606** 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 **51, 65.312, 282.980**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.629, 67.558**, and **40, 66.491, 50.875** is the 20% darker color. If you saturate the color by 10%, you get **60, 79.648, 58.588**, and if you desaturate by 10%, it is **62, 74.358, 61.253**.

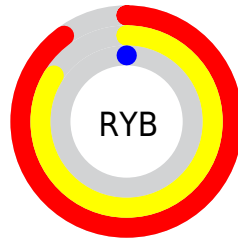
Distribution



Red (90%)

Green (44%)

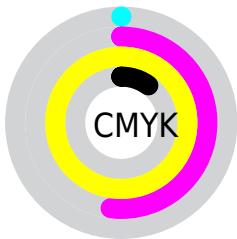
Blue (0%)



Red (90%)

Yellow (84%)

Blue (0%)

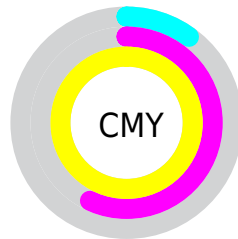


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 79.692, 58.606 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 60, 79.692, 58.606 by changing the saturation by 10% instead.

60, 79.692, 58.606

60, 79.692, 58.606

100, 79.692,
58.606

50, 79.692, 58.606

80, 79.692, 58.606

40, 79.692, 58.606

90, 79.692, 58.606

30, 79.692, 58.606

20, 79.692, 58.606

10, 79.692, 58.606

0, 79.692, 58.606

60, 79.692, 58.606

60, 79.692, 58.606

60, 79.648, 58.588

62, 74.358, 61.253

65, 66.976, 63.250

68, 58.266, 64.781

71, 49.128, 66.110

74, 40.052, 67.364

77, 31.266, 68.596

81, 22.860, 69.822

84, 14.857, 71.040

88, 7.244, 72.228

Harmonies

Complementary

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



60, 79.692, 58.606



51, 65.312, 282.980

Rectangle

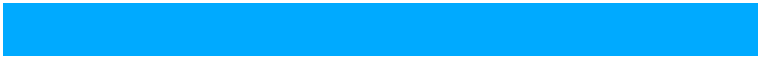
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 79.692, 58.606



60, 79.692, 108.606



60, 79.692, 238.606



60, 79.692, 288.606

Sweetspot

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



60, 79.648, 58.588



89, 24.884, 69.801



50, 78.758, 359.477



46, 17.162, 69.282



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 79.648, 58.588



66, 86.286, 58.353



87, 87.373, 100.680



46, 4.104, 72.290



47, 65.681, 59.265



12, 20.930, 58.677

Inverse Universe

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



51, 65.312, 282.980



56, 71.058, 283.264



29, 122.321, 305.982



46, 4.003, 254.762



40, 53.203, 282.157



9, 19.190, 273.308

Previews

White Background



This preview shows how the CIELCh color 60, 79.692, 58.606 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 60, 79.692, 58.606 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 60, 79.692, 58.606

Background



This preview shows how black text looks on a background with the CIELCh color 60, 79.692, 58.606.



This preview shows how white text looks on a background with the CIELCh color 60, 79.692, 58.606.

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

60, 79.692, 58.606

Protanopia

60, 61.191, 95.308

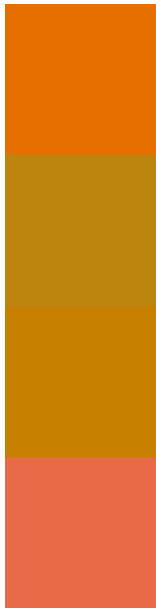
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 55.197, 22.687

Trichromacy



Original Color
60, 79.692, 58.606

Protanomaly
59, 63.935, 78.957

Deuteranomaly
60, 68.714, 72.946

Tritanomaly
60, 63.518, 42.931

Monochromacy



Original Color
60, 79.692, 58.606

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 30.957, 68.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 79.692, 58.606 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, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 111, 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(230, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 111, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 79.692, 58.606 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, 111, 0) }
```

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

```
.border{ border-color:rgb(230, 111, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 111, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 111,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 79.692, 58.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 111, 0) }
```

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

```
.background{ background-color: rgb(230,  
111, 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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