

Converting Colors

CIELCh(59, 77.899, 54.129)

Have a look what the booklet for
CIELCh(59, 77.899, 54.129) contains.

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Color

CIELCh(59, 77.698, 54.110)

Conversions

Conversions Part 1

Format	Color
Hex	E76816
RGB	231, 104, 22
RGB Percent	91%, 41%, 9%
CMY	0.0932, 0.5914, 0.9127
CMYK	0.00, 0.55, 0.90, 0.09
HSL	24°, 82%, 50%
HSV	24°, 90%, 91%
XYZ	38.1495, 27.0277, 3.9780
YIQ	132.6250, 102.0140, 1.4220

Conversions

Conversions Part 2

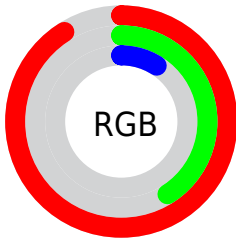
Format	Color
R_{YB}	231, 157, 22
Decimal	15165462
CIE _{Lab}	59.00, 45.55, 62.95
CIE _{LCh}	59, 77.698, 54.110
Yxy	27.0277, 0.5517, 0.3908
Android (android.graphics.Color)	4293355542 (0xFFE76816)
YUV	132.6250, -54.5381, 86.2749
Hunter-Lab	51.9882, 40.0058, 31.8551

Details

The CIELCh color **59, 77.698, 54.110** 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 **59, 50.213, 267.182**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 63.325, 62.237**, and **39, 68.858, 47.839** is the 20% darker color. If you saturate the color by 10%, you get **57, 83.876, 52.063**, and if you desaturate by 10%, it is **62, 69.236, 55.557**.

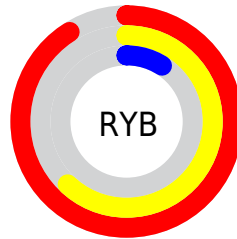
Distribution



Red (91%)

Green (41%)

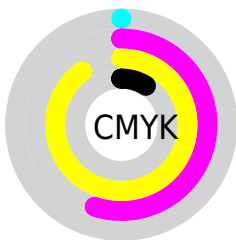
Blue (9%)



Red (91%)

Yellow (62%)

Blue (9%)

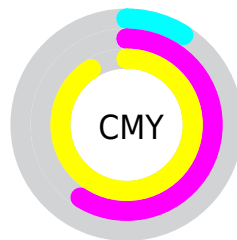


Cyan (0%)

Magenta (55%)

Yellow (90%)

Black (9%)



Cyan (9%)

Magenta (59%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 77.698, 54.110 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, 77.698, 54.110 by changing the saturation by 10% instead.

59, 77.698, 54.110

59, 77.698, 54.110

100, 77.698,
54.110

49, 77.698, 54.110

79, 77.698, 54.110

39, 77.698, 54.110

89, 77.698, 54.110

29, 77.698, 54.110

99, 77.698, 54.110

19, 77.698, 54.110

9, 77.698, 54.110

0, 77.698, 54.110

59, 77.698, 54.110

59, 77.698, 54.110

57, 83.876, 52.063

62, 69.236, 55.557

65, 59.639, 56.539

68, 49.849, 57.372

72, 40.331, 58.192

76, 31.280, 59.049

79, 22.759, 59.953

83, 14.769, 60.894

87, 7.281, 61.840

92, 0.250, 60.899

Harmonies

Complementary

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



59, 77.698, 54.110



59, 50.213, 267.182

Rectangle

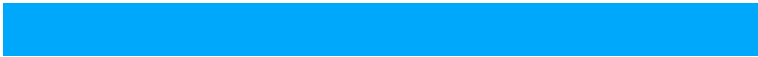
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 77.698, 54.110



59, 77.698, 104.110



59, 77.698, 234.110



59, 77.698, 284.110

Sweetspot

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



59, 77.696, 54.112



88, 21.665, 60.254



52, 81.031, 349.287



45, 14.766, 59.935



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, 77.696, 54.112



62, 90.481, 51.855



83, 81.112, 95.465



46, 3.949, 61.925



44, 68.721, 52.720



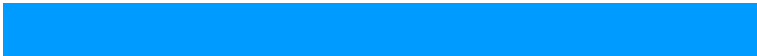
11, 21.340, 49.172

Inverse Universe

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



59, 50.213, 267.182



62, 58.909, 272.334



34, 109.523, 303.100



46, 3.799, 244.055



44, 44.290, 271.108



11, 16.565, 261.655

Previews

White Background



This preview shows how the CIELCh color 59, 77.698, 54.110 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, 77.698, 54.110 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, 77.698, 54.110

Background



This preview shows how black text looks on a background with the CIELCh color 59, 77.698, 54.110.



This preview shows how white text looks on a background with the CIELCh color 59, 77.698, 54.110.

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, 77.698, 54.110

Protanopia

59, 56.421, 95.551

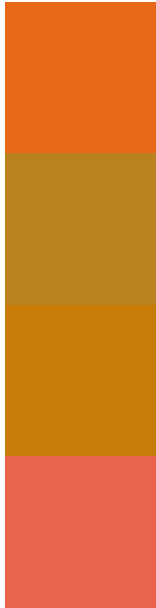
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 58.604, 24.143

Trichromacy



Original Color
59, 77.698, 54.110

Protanomaly
58, 59.357, 76.451

Deuteranomaly
59, 67.291, 70.927

Tritanomaly
59, 64.048, 38.809

Monochromacy



Original Color
59, 77.698, 54.110

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 27.327, 59.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 77.698, 54.110 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(231, 104, 22)` looks like.

```
.text, #text, p{  
    color:rgb(231, 104, 22)  
}
```

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(231, 104, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 104, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 77.698, 54.110 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(231, 104, 22) }
```

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

```
.border{ border-color:rgb(231, 104, 22) }
```

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

Here you see how a box with a 4 pixel rgb(231, 104, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 104, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 104, 22);  
box-shadow:4px 4px 4px 4px rgb(231, 104,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 77.698, 54.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 104, 22) }
```

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

```
.background{ background-color: rgb(231,  
104, 22) }
```

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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