

Converting Colors

CIELCh(59, 75.533, 54.001)

Have a look what the booklet for
CIELCh(59, 75.533, 54.001) contains.

CIELCh(59, 75.758, 53.751)	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(59, 75.758, 53.751)

Conversions

Conversions Part 1

Format	Color
Hex	E6691C
RGB	230, 105, 28
RGB Percent	90%, 41%, 11%
CMY	0.0978, 0.5880, 0.8900
CMYK	0.00, 0.54, 0.88, 0.10
HSL	23°, 80%, 51%
HSV	23°, 88%, 90%
XYZ	37.9161, 27.0277, 4.3202
YIQ	133.5970, 99.2170, 2.5530

Conversions

Conversions Part 2

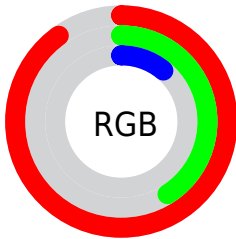
Format	Color
R_{YB}	230, 152, 28
Decimal	15100188
CIE _{Lab}	59.00, 44.80, 61.10
CIE _{LCh}	59, 75.758, 53.751
Yxy	27.0277, 0.5474, 0.3902
Android (android.graphics.Color)	4293290268 (0xFFE6691C)
YUV	133.5970, -52.0593, 84.5454
Hunter-Lab	51.9882, 39.2045, 31.4647

Details

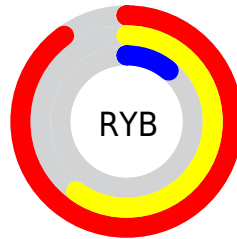
The CIELCh color **59, 75.758, 53.751** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **61, 47.987, 264.294**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 61.395, 61.560**, and **39, 68.036, 48.550** is the 20% darker color. If you saturate the color by 10%, you get **56, 82.665, 51.797**, and if you desaturate by 10%, it is **62, 66.794, 54.942**.

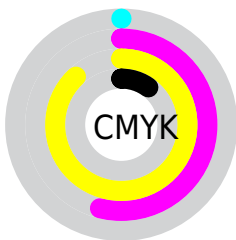
Distribution



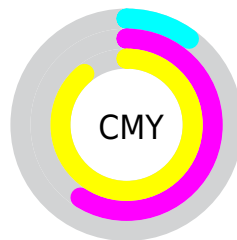
- Red (90%)
- Green (41%)
- Blue (11%)



- Red (90%)
- Yellow (60%)
- Blue (11%)



- Cyan (0%)
- Magenta (54%)
- Yellow (88%)
- Black (10%)



- Cyan (10%)
- Magenta (59%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 75.758, 53.751 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, 75.758, 53.751 by changing the saturation by 10% instead.

59, 75.758, 53.751

59, 75.758, 53.751

100, 75.758,
53.751

49, 75.758, 53.751

79, 75.758, 53.751

39, 75.758, 53.751

89, 75.758, 53.751

29, 75.758, 53.751

99, 75.758, 53.751

19, 75.758, 53.751

9, 75.758, 53.751

0, 75.758, 53.751

59, 75.758, 53.751

59, 75.758, 53.751

56, 82.665, 51.797

62, 66.794, 54.942

56, 84.056, 51.384

65, 57.025, 55.779

69, 47.245, 56.524

72, 37.825, 57.286

76, 28.914, 58.099

80, 20.550, 58.964

84, 12.723, 59.867

88, 5.395, 60.762

92, 1.478, 242.165

Harmonies

Complementary

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



59, 75.758, 53.751



61, 47.987, 264.294

Rectangle

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



59, 75.758, 53.751



59, 75.758, 103.751



59, 75.758, 233.751



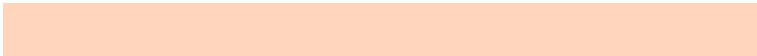
59, 75.758, 283.751

Sweetspot

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



59, 75.756, 53.754



88, 20.771, 59.112



52, 80.977, 347.441



46, 14.248, 58.803



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, 75.756, 53.754



62, 91.040, 51.168



82, 79.118, 94.520



46, 3.940, 60.621



44, 69.133, 52.020



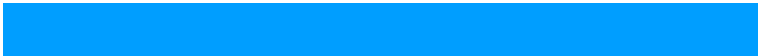
10, 21.428, 48.085

Inverse Universe

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



61, 47.987, 264.294



63, 57.603, 270.761



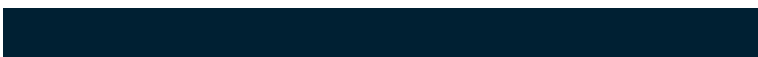
35, 104.465, 301.994



46, 3.784, 242.689



45, 43.337, 269.525



11, 16.298, 260.047

Previews

White Background



This preview shows how the CIELCh color 59, 75.758, 53.751 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, 75.758, 53.751 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, 75.758, 53.751

Background



This preview shows how black text looks on a background with the CIELCh color 59, 75.758, 53.751.



This preview shows how white text looks on a background with the CIELCh color 59, 75.758, 53.751.

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, 75.758, 53.751

Protanopia

59, 54.700, 95.509

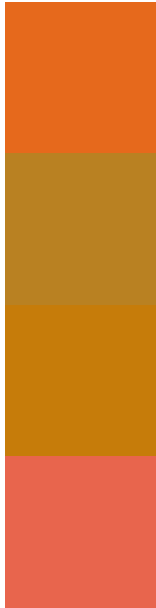
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 57.570, 23.396

Trichromacy



Original Color
59, 75.758, 53.751

Protanomaly
58, 57.528, 76.310

Deuteranomaly
58, 66.708, 71.128

Tritanomaly
59, 62.536, 38.049

Monochromacy



Original Color
59, 75.758, 53.751

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 26.520, 57.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 75.758, 53.751 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, 105, 28)` looks like.

```
.text, #text, p{  
    color:rgb(230, 105, 28)  
}
```

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, 105, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 105, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 75.758, 53.751 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, 105, 28) }
```

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

```
.border{ border-color:rgb(230, 105, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 105, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 105, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 105, 28);  
box-shadow:4px 4px 4px 4px rgb(230, 105,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 75.758, 53.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 105, 28) }
```

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

```
.background{ background-color: rgb(230,  
105, 28) }
```

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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