

Converting Colors

CIELCh(59, 71.171, 47.523)

Have a look what the booklet for
CIELCh(59, 71.171, 47.523) contains.

CIELCh(59, 71.064, 47.581)	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, 71.064, 47.581)

Conversions

Conversions Part 1

Format	Color
Hex	E96632
RGB	233, 102, 50
RGB Percent	91%, 40%, 20%
CMY	0.0866, 0.6002, 0.8042
CMYK	0.00, 0.56, 0.79, 0.09
HSL	17°, 81%, 55%
HSV	17°, 79%, 91%
XYZ	38.8950, 27.0277, 6.1770
YIQ	135.2410, 94.7680, 11.6000

Conversions

Conversions Part 2

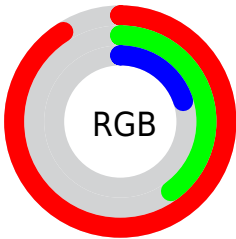
Format	Color
RYB	233, 123, 50
Decimal	15296050
CIELab	59.00, 47.94, 52.46
CIElCh	59, 71.064, 47.581
Yxy	27.0277, 0.5395, 0.3749
Android (android.graphics.Color)	4293486130 (0xFFE96632)
YUV	135.2410, -42.0238, 85.7346
Hunter-Lab	51.9882, 42.5655, 29.3472

Details

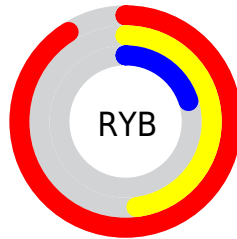
The CIELCh color **59, 71.064, 47.581** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **69, 39.827, 244.126**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 54.795, 54.417**, and **39, 70.271, 46.805** is the 20% darker color. If you saturate the color by 10%, you get **56, 80.890, 47.344**, and if you desaturate by 10%, it is **62, 60.446, 47.530**.

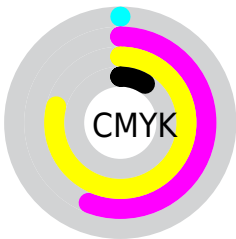
Distribution



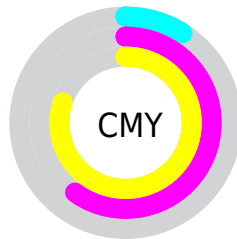
- Red (91%)
- Green (40%)
- Blue (20%)



- Red (91%)
- Yellow (48%)
- Blue (20%)



- Cyan (0%)
- Magenta (56%)
- Yellow (79%)
- Black (9%)



- Cyan (9%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 71.064, 47.581 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, 71.064, 47.581 by changing the saturation by 10% instead.

59, 71.064, 47.581

59, 71.064, 47.581

100, 71.064,
47.581

49, 71.064, 47.581

79, 71.064, 47.581

39, 71.064, 47.581

89, 71.064, 47.581

29, 71.064, 47.581

99, 71.064, 47.581

19, 71.064, 47.581

9, 71.064, 47.581

0, 71.064, 47.581

59, 71.064, 47.581

59, 71.064, 47.581

56, 80.890, 47.344

62, 60.446, 47.530

54, 88.503, 46.335

66, 49.917, 47.484

53, 89.515, 46.222

70, 39.860, 47.554

75, 30.424, 47.763

79, 21.650, 48.097

84, 13.523, 48.530

88, 5.999, 49.007

93, 0.977, 230.282

98, 6.668, 212.475

Harmonies

Complementary

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



59, 71.064, 47.581



69, 39.827, 244.126

Rectangle

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



59, 71.064, 47.581



59, 71.064, 97.581



59, 71.064, 227.581



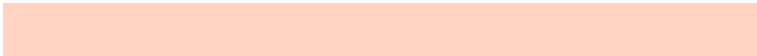
59, 71.064, 277.581

Sweetspot

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



59, 71.062, 47.584



88, 19.237, 48.279



55, 82.740, 340.537



45, 13.405, 48.131



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, 71.062, 47.584



59, 91.763, 46.828



79, 71.586, 89.492



47, 4.018, 48.966



42, 73.684, 46.737



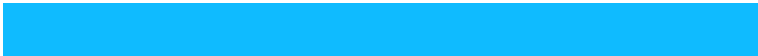
10, 23.761, 40.167

Inverse Universe

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



69, 39.827, 244.126



71, 46.798, 251.185



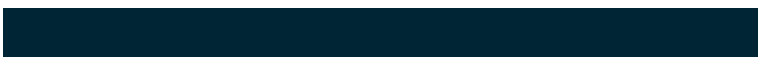
44, 84.706, 296.038



47, 3.812, 230.342



51, 36.946, 253.030



14, 15.026, 244.643

Previews

White Background



This preview shows how the CIELCh color 59, 71.064, 47.581 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, 71.064, 47.581 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, 71.064, 47.581

Background



This preview shows how black text looks on a background with the CIELCh color 59, 71.064, 47.581.



This preview shows how white text looks on a background with the CIELCh color 59, 71.064, 47.581.

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, 71.064, 47.581

Protanopia

59, 44.886, 96.151

Deuteranopia

59, 54.788, 81.787



Tritanopia
59, 59.486, 24.357

Trichromacy



Original Color
59, 71.064, 47.581

Protanomaly
58, 48.558, 71.754

Deuteranomaly
58, 57.885, 66.164

Tritanomaly
59, 62.497, 34.210

Monochromacy



Original Color
59, 71.064, 47.581

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 24.034, 47.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 71.064, 47.581 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(233, 102, 50)` looks like.

```
.text, #text, p{  
    color:rgb(233, 102, 50)  
}
```

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(233, 102, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 102, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 71.064, 47.581 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(233, 102, 50) }
```

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

```
.border{ border-color:rgb(233, 102, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 102, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 102, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 102, 50);  
box-shadow:4px 4px 4px 4px rgb(233, 102,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 71.064, 47.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 102, 50) }
```

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

```
.background{ background-color: rgb(233,  
102, 50) }
```

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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