

Converting Colors

CIELCh(59, 71.794, 44.715)

Have a look what the booklet for
CIELCh(59, 71.794, 44.715) contains.

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Color

CIELCh(59, 72.197, 44.635)

Conversions

Conversions Part 1

Format	Color
Hex	ED6236
RGB	237, 98, 54
RGB Percent	93%, 38%, 21%
CMY	0.0703, 0.6154, 0.7880
CMYK	0.00, 0.59, 0.77, 0.07
HSL	14°, 84%, 57%
HSV	14°, 77%, 93%
XYZ	39.9861, 27.0277, 6.6054
YIQ	134.5450, 96.9680, 15.7840

Conversions

Conversions Part 2

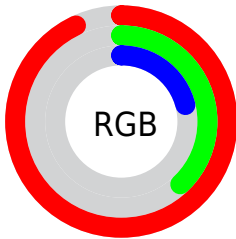
Format	Color
R _Y B	237, 112, 54
Decimal	15557174
CIE Lab	59.00, 51.38, 50.72
CIE LCh	59, 72.197, 44.635
Yxy	27.0277, 0.5431, 0.3671
Android (android.graphics.Color)	4293747254 (0xFFED6236)
YUV	134.5450, -39.7087, 89.8530
Hunter-Lab	51.9882, 46.3118, 28.8586

Details

The CIELCh color **59, 72.197, 44.635** 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 **73, 38.976, 235.792**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 53.679, 51.097**, and **39, 72.522, 44.620** is the 20% darker color. If you saturate the color by 10%, you get **56, 82.605, 44.985**, and if you desaturate by 10%, it is **63, 61.134, 44.107**.

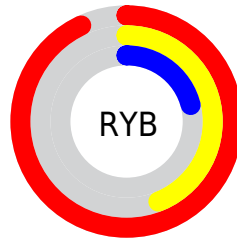
Distribution



Red (93%)

Green (38%)

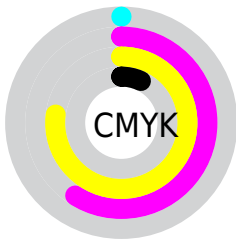
Blue (21%)



Red (93%)

Yellow (44%)

Blue (21%)

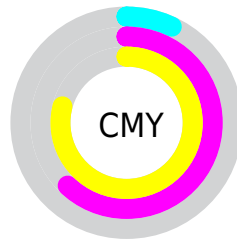


Cyan (0%)

Magenta (59%)

Yellow (77%)

Black (7%)



Cyan (7%)

Magenta (62%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 72.197, 44.635 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, 72.197, 44.635 by changing the saturation by 10% instead.

59, 72.197, 44.635

59, 72.197, 44.635

100, 72.197,
44.635

49, 72.197, 44.635

79, 72.197, 44.635

39, 72.197, 44.635

89, 72.197, 44.635

29, 72.197, 44.635

99, 72.197, 44.635

19, 72.197, 44.635

9, 72.197, 44.635

0, 72.197, 44.635

59, 72.197, 44.635

59, 72.197, 44.635

56, 82.605, 44.985

63, 61.134, 44.107

53, 90.766, 44.560

67, 50.241, 43.668

53, 92.736, 44.446

71, 39.872, 43.408

75, 30.166, 43.331

80, 21.161, 43.413

85, 12.842, 43.617

90, 5.162, 43.872

95, 1.935, 224.701

99, 6.156, 199.123

Harmonies

Complementary

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



59, 72.197, 44.635



73, 38.976, 235.792

Rectangle

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



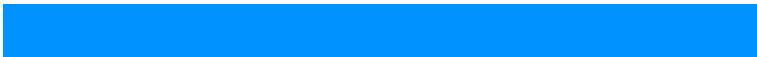
59, 72.197, 44.635



59, 72.197, 94.635



59, 72.197, 224.635



59, 72.197, 274.635

Sweetspot

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



59, 72.194, 44.638



88, 18.664, 43.485



57, 85.961, 337.699



45, 13.113, 43.420



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, 72.194, 44.638



58, 93.012, 44.850



79, 69.817, 85.762



47, 4.075, 43.820



41, 75.315, 44.926



9, 24.353, 36.894

Inverse Universe

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



73, 38.976, 235.792



75, 44.451, 242.058



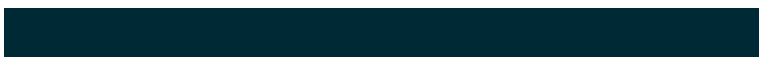
48, 78.528, 293.034



48, 3.851, 224.816



53, 35.012, 244.188



15, 14.587, 236.664

Previews

White Background



This preview shows how the CIELCh color 59, 72.197, 44.635 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, 72.197, 44.635 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, 72.197, 44.635

Background



This preview shows how black text looks on a background with the CIELCh color 59, 72.197, 44.635.



This preview shows how white text looks on a background with the CIELCh color 59, 72.197, 44.635.

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, 72.197, 44.635

Protanopia

59, 42.018, 95.939

Deuteranopia

59, 53.066, 81.820



Tritanopia
59, 62.525, 25.068

Trichromacy



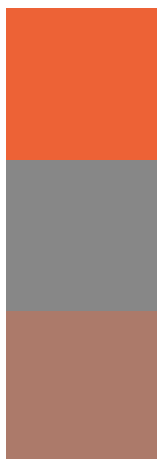
Original Color
59, 72.197, 44.635

Protanomaly
58, 46.953, 68.872

Deuteranomaly
58, 56.429, 64.717

Tritanomaly
59, 64.935, 33.071

Monochromacy



Original Color
59, 72.197, 44.635

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 23.987, 43.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 72.197, 44.635 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(237, 98, 54)` looks like.

```
.text, #text, p{  
    color:rgb(237, 98, 54)  
}
```

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(237, 98, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 98, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 72.197, 44.635 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(237, 98, 54) }
```

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

```
.border{ border-color:rgb(237, 98, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 98, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 98, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 98, 54);  
box-shadow:4px 4px 4px 4px rgb(237, 98,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 72.197, 44.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 98, 54) }
```

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

```
.background{ background-color: rgb(237, 98,  
54) }
```

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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