

Converting Colors

CIELCh(58, 80.548, 53.540)

Have a look what the booklet for
CIELCh(58, 80.548, 53.540) contains.

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Color

CIELCh(58, 80.436, 53.550)

Conversions

Conversions Part 1

Format	Color
Hex	E7630C
RGB	231, 99, 12
RGB Percent	91%, 39%, 5%
CMY	0.0939, 0.6115, 0.9526
CMYK	0.00, 0.57, 0.95, 0.09
HSL	24°, 90%, 48%
HSV	24°, 95%, 91%
XYZ	37.5106, 25.9610, 3.3847
YIQ	128.5500, 106.5990, 0.9270

Conversions

Conversions Part 2

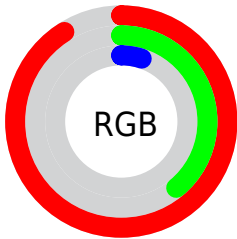
Format	Color
RYB	231, 156, 12
Decimal	15164172
CIELab	58.00, 47.79, 64.70
CIElCh	58, 80.436, 53.550
Yxy	25.9610, 0.5611, 0.3883
Android (android.graphics.Color)	4293354252 (0xFFE7630C)
YUV	128.5500, -57.4592, 89.8486
Hunter-Lab	50.9519, 42.2451, 31.7278

Details

The CIELCh color **58, 80.436, 53.550** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **58, 52.605, 270.118**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 65.762, 61.081**, and **38, 69.779, 46.278** is the 20% darker color. If you saturate the color by 10%, you get **57, 83.594, 52.390**, and if you desaturate by 10%, it is **61, 72.977, 55.395**.

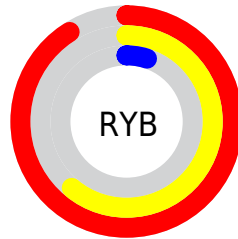
Distribution



Red (91%)

Green (39%)

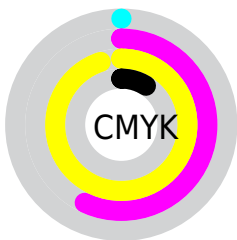
Blue (5%)



Red (91%)

Yellow (61%)

Blue (5%)

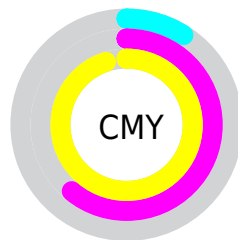


Cyan (0%)

Magenta (57%)

Yellow (95%)

Black (9%)



Cyan (9%)

Magenta (61%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 80.436, 53.550 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 58, 80.436, 53.550 by changing the saturation by 10% instead.

58, 80.436, 53.550

58, 80.436, 53.550

100, 80.436,
53.550

48, 80.436, 53.550

78, 80.436, 53.550

38, 80.436, 53.550

88, 80.436, 53.550

28, 80.436, 53.550

98, 80.436, 53.550

18, 80.436, 53.550

8, 80.436, 53.550

0, 80.436, 53.550

58, 80.436, 53.550

58, 80.436, 53.550

57, 83.594, 52.390

61, 72.977, 55.395

64, 63.785, 56.569

67, 54.047, 57.478

70, 44.408, 58.326

74, 35.164, 59.192

78, 26.424, 60.100

82, 18.214, 61.048

86, 10.514, 62.016

90, 3.285, 62.920

Harmonies

Complementary

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



58, 80.436, 53.550



58, 52.605, 270.118

Rectangle

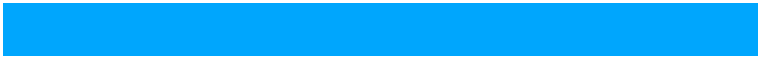
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 80.436, 53.550



58, 80.436, 103.550



58, 80.436, 233.550



58, 80.436, 283.550

Sweetspot

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



58, 80.433, 53.552



88, 22.556, 60.723



51, 81.383, 350.453



45, 15.796, 60.313



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 80.433, 53.552



62, 90.226, 52.179



82, 82.074, 95.067



46, 3.954, 62.522



44, 68.534, 53.049



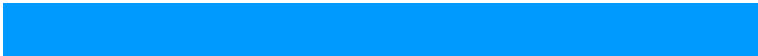
11, 21.302, 49.678

Inverse Universe

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



58, 52.605, 270.118



62, 59.523, 273.037



32, 113.794, 304.006



46, 3.807, 244.678



44, 44.739, 271.816



11, 16.692, 262.380

Previews

White Background



This preview shows how the CIELCh color 58, 80.436, 53.550 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 58, 80.436, 53.550 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 58, 80.436, 53.550

Background



This preview shows how black text looks on a background with the CIELCh color 58, 80.436, 53.550.



This preview shows how white text looks on a background with the CIELCh color 58, 80.436, 53.550.

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

58, 80.436, 53.550

Protanopia

58, 57.817, 94.972

Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 60.984, 24.849

Trichromacy



Original Color
58, 80.436, 53.550

Protanomaly
57, 61.288, 75.394

Deuteranomaly
58, 67.432, 70.320

Tritanomaly
58, 67.236, 39.540

Monochromacy



Original Color
58, 80.436, 53.550

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 29.149, 59.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 80.436, 53.550 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, 99, 12)` looks like.

```
.text, #text, p{  
    color:rgb(231, 99, 12)  
}
```

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, 99, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 99, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 80.436, 53.550 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, 99, 12) }
```

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

```
.border{ border-color:rgb(231, 99, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 99, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 99, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 99, 12);  
box-shadow:4px 4px 4px 4px rgb(231, 99,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 80.436, 53.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 99, 12) }
```

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

```
.background{ background-color: rgb(231, 99,  
12) }
```

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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