

Converting Colors

CIELCh(57, 80.238, 46.109)

Have a look what the booklet for
CIELCh(57, 80.238, 46.109) contains.

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Color

CIELCh(57, 80.238, 46.109)

Conversions

Conversions Part 1

Format	Color
Hex	ED5722
RGB	237, 87, 34
RGB Percent	93%, 34%, 13%
CMY	0.0708, 0.6589, 0.8668
CMYK	0.00, 0.63, 0.86, 0.07
HSL	16°, 85%, 53%
HSV	16°, 86%, 93%
XYZ	38.6039, 24.9227, 4.2867
YIQ	125.8080, 106.4130, 15.3170

Conversions

Conversions Part 2

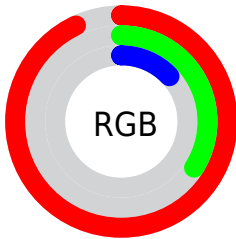
Format	Color
RYB	237, 106, 34
Decimal	15554338
CIELab	57.00, 55.63, 57.82
CIELCh	57, 80.238, 46.109
Yxy	24.9227, 0.5693, 0.3675
Android (android.graphics.Color)	4293744418 (0xFFED5722)
YUV	125.8080, -45.2613, 97.5154
Hunter-Lab	49.9226, 50.6648, 29.8548

Details

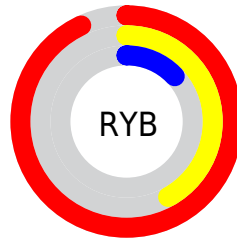
The CIELCh color **57, 80.238, 46.109** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **70, 41.365, 242.795**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 61.672, 51.792**, and **37, 75.497, 42.255** is the 20% darker color. If you saturate the color by 10%, you get **54, 88.761, 45.574**, and if you desaturate by 10%, it is **60, 69.759, 45.953**.

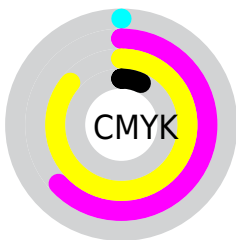
Distribution



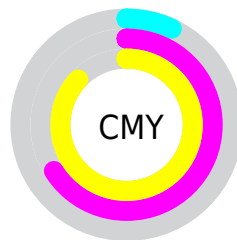
- Red (93%)
- Green (34%)
- Blue (13%)



- Red (93%)
- Yellow (42%)
- Blue (13%)



- Cyan (0%)
- Magenta (63%)
- Yellow (86%)
- Black (7%)



- Cyan (7%)
- Magenta (66%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 80.238, 46.109 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 57, 80.238, 46.109 by changing the saturation by 10% instead.

57, 80.238, 46.109

57, 80.238, 46.109

100, 80.238,
46.109

47, 80.238, 46.109

77, 80.238, 46.109

37, 80.238, 46.109

87, 80.238, 46.109

27, 80.238, 46.109

97, 80.238, 46.109

17, 80.238, 46.109

7, 80.238, 46.109

0, 80.238, 46.109

57, 80.238, 46.109

57, 80.238, 46.109

54, 88.761, 45.574

60, 69.759, 45.953

53, 91.787, 45.228

64, 58.809, 45.645

68, 48.104, 45.420

72, 37.949, 45.352

77, 28.461, 45.443

81, 19.660, 45.672

86, 11.525, 46.004

91, 4.005, 46.346

96, 2.957, 227.199

Harmonies

Complementary

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



57, 80.238, 46.109



70, 41.365, 242.795

Rectangle

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



57, 80.238, 46.109



57, 80.238, 96.109



57, 80.238, 226.109



57, 80.238, 276.109

Sweetspot

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



57, 80.235, 46.111



87, 21.176, 45.660



55, 88.444, 339.573



44, 14.560, 45.568



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 80.235, 46.111



57, 97.170, 45.112



78, 75.201, 85.739



47, 4.044, 46.232



41, 74.559, 45.740



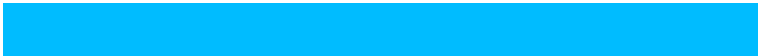
10, 24.068, 38.393

Inverse Universe

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



70, 41.365, 242.795



72, 46.652, 249.574



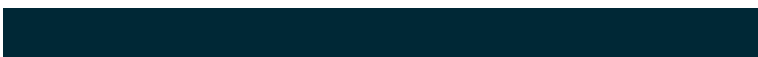
43, 90.197, 296.703



48, 3.828, 227.411



52, 35.824, 248.451



14, 14.761, 240.469

Previews

White Background



This preview shows how the CIELCh color 57, 80.238, 46.109 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 57, 80.238, 46.109 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 57, 80.238, 46.109

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.238, 46.109.



This preview shows how white text looks on a background with the CIELCh color 57, 80.238, 46.109.

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

57, 80.238, 46.109

Protanopia

57, 49.068, 95.595

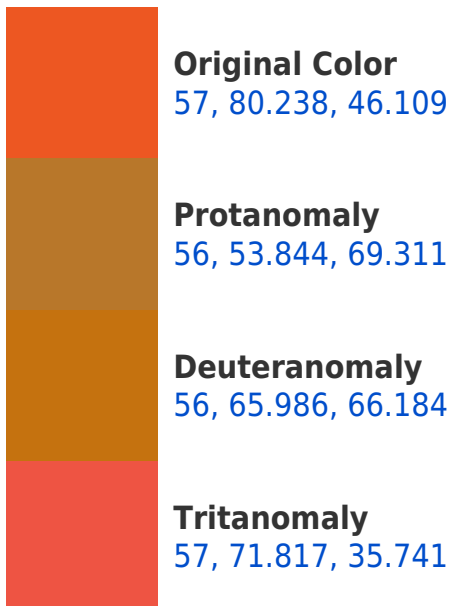
Deuteranopia

57, 62.242, 83.128



Tritanopia
57, 68.112, 27.550

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.238, 46.109 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, 87, 34)` looks like.

```
.text, #text, p{  
    color:rgb(237, 87, 34)  
}
```

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, 87, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 87, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.238, 46.109 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, 87, 34) }
```

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

```
.border{ border-color:rgb(237, 87, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 87, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 87, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 87, 34);  
box-shadow:4px 4px 4px 4px rgb(237, 87,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.238, 46.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 87, 34) }
```

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

```
.background{ background-color: rgb(237, 87,  
34) }
```

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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