

Converting Colors

CIELCh(57, 79.752, 48.431)

Have a look what the booklet for
CIELCh(57, 79.752, 48.431) contains.

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Color

CIELCh(57, 80.037, 48.365)

Conversions

Conversions Part 1

Format	Color
Hex	EA5A1C
RGB	234, 90, 28
RGB Percent	92%, 35%, 11%
CMY	0.0819, 0.6467, 0.8898
CMYK	0.00, 0.62, 0.88, 0.08
HSL	18°, 83%, 51%
HSV	18°, 88%, 92%
XYZ	37.8417, 24.9227, 3.9206
YIQ	125.9880, 105.7260, 11.2460

Conversions

Conversions Part 2

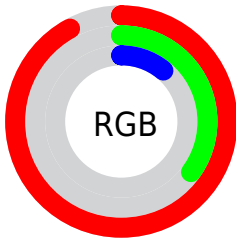
Format	Color
RYB	234, 117, 28
Decimal	15358492
CIELab	57.00, 53.18, 59.82
CIElCh	57, 80.037, 48.365
Yxy	24.9227, 0.5675, 0.3737
Android (android.graphics.Color)	4293548572 (0xFFEA5A1C)
YUV	125.9880, -48.3081, 94.7265
Hunter-Lab	49.9226, 47.9399, 30.2896

Details

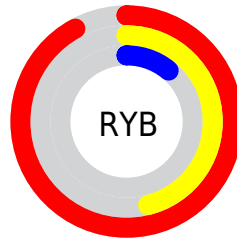
The CIELCh color **57, 80.037, 48.365** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **66, 43.247, 251.194**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 63.100, 54.827**, and **37, 73.444, 43.295** is the 20% darker color. If you saturate the color by 10%, you get **54, 87.687, 47.185**, and if you desaturate by 10%, it is **60, 70.214, 48.769**.

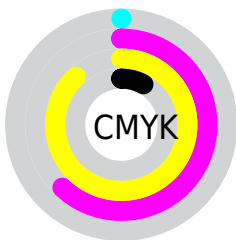
Distribution



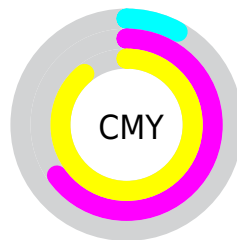
- Red (92%)
- Green (35%)
- Blue (11%)



- Red (92%)
- Yellow (46%)
- Blue (11%)



- Cyan (0%)
- Magenta (62%)
- Yellow (88%)
- Black (8%)



- Cyan (8%)
- Magenta (65%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 80.037, 48.365 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, 80.037, 48.365 by changing the saturation by 10% instead.

57, 80.037, 48.365

57, 80.037, 48.365

100, 80.037,
48.365

47, 80.037, 48.365

77, 80.037, 48.365

37, 80.037, 48.365

87, 80.037, 48.365

27, 80.037, 48.365

97, 80.037, 48.365

17, 80.037, 48.365

7, 80.037, 48.365

0, 80.037, 48.365

57, 80.037, 48.365

57, 80.037, 48.365

54, 87.687, 47.185

60, 70.214, 48.769

54, 89.079, 46.975

63, 59.661, 48.882

67, 49.212, 48.991

71, 39.236, 49.198

75, 29.875, 49.527

80, 21.165, 49.967

84, 13.087, 50.493

89, 5.598, 51.050

94, 1.357, 232.236

Harmonies

Complementary

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



57, 80.037, 48.365



66, 43.247, 251.194

Rectangle

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



57, 80.037, 48.365



57, 80.037, 98.365



57, 80.037, 228.365



57, 80.037, 278.365

Sweetspot

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



57, 80.034, 48.367



87, 20.911, 50.060



53, 85.392, 342.958



45, 14.369, 49.890



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, 80.034, 48.367



59, 95.195, 46.823



79, 77.274, 89.440



47, 4.005, 50.972



42, 73.033, 47.522



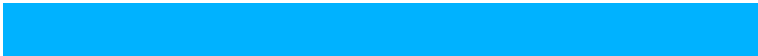
10, 23.548, 41.522

Inverse Universe

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



66, 43.247, 251.194



69, 49.517, 257.400



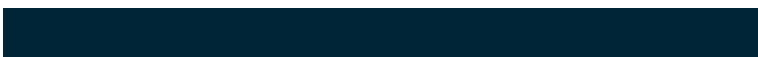
39, 98.287, 299.652



47, 3.806, 232.486



50, 37.897, 256.217



13, 15.265, 247.607

Previews

White Background



This preview shows how the CIELCh color 57, 80.037, 48.365 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, 80.037, 48.365 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, 80.037, 48.365

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.037, 48.365.



This preview shows how white text looks on a background with the CIELCh color 57, 80.037, 48.365.

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, 80.037, 48.365

Protanopia

57, 51.898, 95.702

Deuteranopia

57, 62.911, 83.253



Tritanopia
57, 65.768, 26.623

Trichromacy



Original Color
57, 80.037, 48.365

Protanomaly
56, 55.800, 72.004

Deuteranomaly
56, 66.488, 67.345

Tritanomaly
57, 70.129, 36.376

Monochromacy



Original Color
57, 80.037, 48.365

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 27.519, 49.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.037, 48.365 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(234, 90, 28)` looks like.

```
.text, #text, p{  
    color:rgb(234, 90, 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(234, 90, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 90, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.037, 48.365 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(234, 90, 28) }
```

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

```
.border{ border-color:rgb(234, 90, 28) }
```

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

Here you see how a box with a 4 pixel rgb(234, 90, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 90, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 90, 28);  
box-shadow:4px 4px 4px 4px rgb(234, 90,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.037, 48.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 90, 28) }
```

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

```
.background{ background-color: rgb(234, 90,  
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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