

Converting Colors

CIELCh(57, 79.931, 40.014)

Have a look what the booklet for
CIELCh(57, 79.931, 40.014) contains.

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Color

CIELCh(57, 80.002, 40.049)

Conversions

Conversions Part 1

Format	Color
Hex	F34F31
RGB	243, 79, 49
RGB Percent	95%, 31%, 19%
CMY	0.0464, 0.6895, 0.8073
CMYK	0.00, 0.67, 0.80, 0.05
HSL	9°, 89%, 57%
HSV	9°, 80%, 95%
XYZ	40.3861, 24.9227, 5.6019
YIQ	124.6160, 107.3740, 25.4380

Conversions

Conversions Part 2

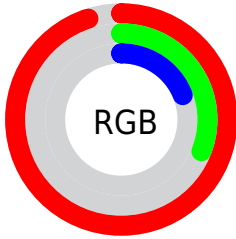
Format	Color
R_{YB}	243, 84, 49
Decimal	15945521
CIE _{Lab}	57.00, 61.24, 51.48
CIE _{LCh}	57, 80.002, 40.049
Yxy	24.9227, 0.5695, 0.3515
Android (android.graphics.Color)	4294135601 (0xFFFF34F31)
YUV	124.6160, -37.2787, 103.8228
Hunter-Lab	49.9226, 57.0375, 28.2928

Details

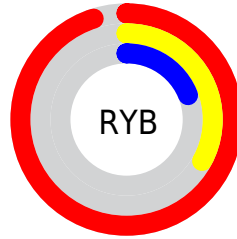
The CIELCh color **57, 80.002, 40.049** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **79, 40.232, 220.868**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 58.301, 43.976**, and **37, 79.814, 39.968** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.322, 41.385**, and if you desaturate by 10%, it is **60, 68.489, 38.505**.

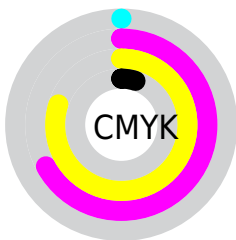
Distribution



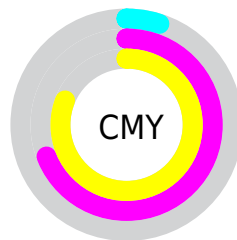
- Red (95%)
- Green (31%)
- Blue (19%)



- Red (95%)
- Yellow (33%)
- Blue (19%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (5%)



- Cyan (5%)
- Magenta (69%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 80.002, 40.049 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, 80.002, 40.049 by changing the saturation by 10% instead.

57, 80.002, 40.049

57, 80.002, 40.049

100, 80.002,
40.049

47, 80.002, 40.049

77, 80.002, 40.049

37, 80.002, 40.049

87, 80.002, 40.049

27, 80.002, 40.049

97, 80.002, 40.049

17, 80.002, 40.049

7, 80.002, 40.049

0, 80.002, 40.049

57, 80.002, 40.049

57, 80.002, 40.049

54, 90.322, 41.385

60, 68.489, 38.505

52, 97.743, 41.921

65, 56.879, 37.146

52, 97.879, 41.938

69, 45.660, 36.088

74, 35.059, 35.326

79, 25.177, 34.815

85, 16.035, 34.500

90, 7.608, 34.315

96, 0.154, 218.543

99, 4.082, 199.309

Harmonies

Complementary

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



57, 80.002, 40.049



79, 40.232, 220.868

Rectangle

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



57, 80.002, 40.049



57, 80.002, 90.049



57, 80.002, 220.049



57, 80.002, 270.049

Sweetspot

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



57, 79.999, 40.051



86, 20.570, 34.614



58, 94.206, 333.920



44, 14.347, 34.732



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, 79.999, 40.051



55, 98.877, 41.736



76, 70.688, 78.241



48, 4.432, 34.309



40, 79.719, 42.259



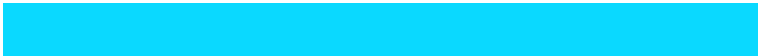
10, 28.134, 33.304

Inverse Universe

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



79, 40.232, 220.868



80, 43.378, 225.145



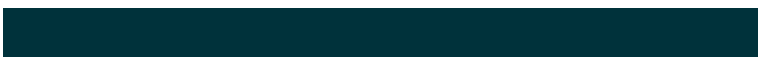
52, 73.143, 288.798



50, 4.169, 214.533



60, 34.384, 225.715



18, 15.362, 221.320

Previews

White Background



This preview shows how the CIELCh color 57, 80.002, 40.049 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, 80.002, 40.049 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, 80.002, 40.049

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.002, 40.049.



This preview shows how white text looks on a background with the CIELCh color 57, 80.002, 40.049.

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, 80.002, 40.049

Protanopia

57, 40.240, 95.519

Deuteranopia

57, 54.358, 82.332



Tritanopia
57, 73.124, 29.118

Trichromacy



Original Color
57, 80.002, 40.049

Protanomaly
55, 47.374, 62.365

Deuteranomaly
56, 59.473, 61.068

Tritanomaly
57, 75.565, 33.512

Monochromacy



Original Color
57, 80.002, 40.049

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 27.726, 35.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.002, 40.049 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(243, 79, 49)` looks like.

```
.text, #text, p{  
    color:rgb(243, 79, 49)  
}
```

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(243, 79, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 79, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.002, 40.049 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(243, 79, 49) }
```

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

```
.border{ border-color:rgb(243, 79, 49) }
```

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

Here you see how a box with a 4 pixel rgb(243, 79, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 79, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 79, 49);  
box-shadow:4px 4px 4px 4px rgb(243, 79,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.002, 40.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 79, 49) }
```

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

```
.background{ background-color: rgb(243, 79,  
49) }
```

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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