

Converting Colors

CIELCh(57, 79.697, 40.257)

Have a look what the booklet for
CIELCh(57, 79.697, 40.257) contains.

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Color

CIELCh(57, 79.796, 40.303)

Conversions

Conversions Part 1

Format	Color
Hex	F35031
RGB	243, 80, 49
RGB Percent	95%, 31%, 19%
CMY	0.0482, 0.6872, 0.8087
CMYK	0.00, 0.67, 0.80, 0.05
HSL	10°, 89%, 57%
HSV	10°, 80%, 95%
XYZ	40.2619, 24.9227, 5.5708
YIQ	125.2030, 107.0990, 24.9150

Conversions

Conversions Part 2

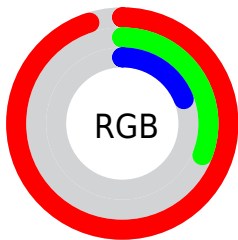
Format	Color
R _{YB}	243, 86, 49
Decimal	15945777
CIE _{Lab}	57.00, 60.86, 51.61
CIE _{LCh}	57, 79.796, 40.303
Yxy	24.9227, 0.5690, 0.3522
Android (android.graphics.Color)	4294135857 (0xFFFF35031)
YUV	125.2030, -37.5681, 103.3080
Hunter-Lab	49.9226, 56.5932, 28.3297

Details

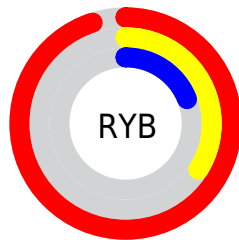
The CIELCh color **57, 79.796, 40.303** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **78, 40.123, 221.771**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 58.114, 44.494**, and **37, 79.502, 40.224** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.088, 41.567**, and if you desaturate by 10%, it is **60, 68.311, 38.819**.

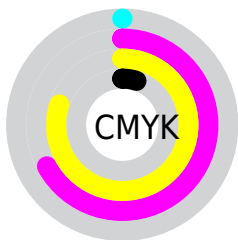
Distribution



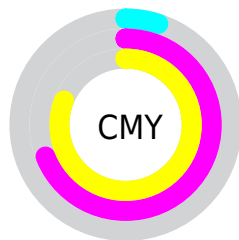
- Red (95%)
- Green (31%)
- Blue (19%)



- Red (95%)
- Yellow (34%)
- 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, 79.796, 40.303 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, 79.796, 40.303 by changing the saturation by 10% instead.

57, 79.796, 40.303

57, 79.796, 40.303

100, 79.796,
40.303

47, 79.796, 40.303

77, 79.796, 40.303

37, 79.796, 40.303

87, 79.796, 40.303

27, 79.796, 40.303

97, 79.796, 40.303

17, 79.796, 40.303

7, 79.796, 40.303

0, 79.796, 40.303

57, 79.796, 40.303

57, 79.796, 40.303

54, 90.088, 41.567

60, 68.311, 38.819

52, 97.509, 42.041

65, 56.735, 37.509

52, 97.577, 42.049

69, 45.552, 36.491

74, 34.991, 35.763

79, 25.148, 35.281

85, 16.044, 34.992

90, 7.652, 34.830

96, 0.078, 223.122

99, 4.240, 199.293

Harmonies

Complementary

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



57, 79.796, 40.303



78, 40.123, 221.771

Rectangle

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



57, 79.796, 40.303



57, 79.796, 90.303



57, 79.796, 220.303



57, 79.796, 270.303

Sweetspot

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



57, 79.793, 40.305



86, 20.500, 35.092



58, 94.118, 333.926



44, 14.298, 35.200



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, 79.793, 40.305



56, 98.698, 41.869



76, 70.650, 78.223



48, 4.417, 34.824



40, 79.583, 42.377



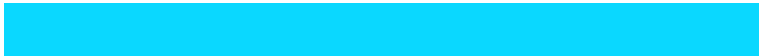
10, 28.061, 33.569

Inverse Universe

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



78, 40.123, 221.771



80, 43.354, 226.183



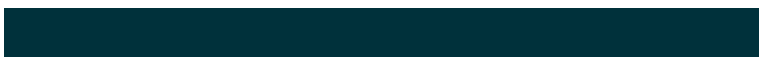
52, 73.131, 288.833



50, 4.155, 215.091



59, 34.371, 226.774



18, 15.340, 222.221

Previews

White Background



This preview shows how the CIELCh color 57, 79.796, 40.303 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, 79.796, 40.303 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, 79.796, 40.303

Background



This preview shows how black text looks on a background with the CIELCh color 57, 79.796, 40.303.



This preview shows how white text looks on a background with the CIELCh color 57, 79.796, 40.303.

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, 79.796, 40.303

Protanopia

57, 40.240, 95.519

Deuteranopia

57, 54.708, 82.421



Tritanopia
57, 72.902, 28.720

Trichromacy



Original Color
57, 79.796, 40.303

Protanomaly
55, 47.374, 62.365

Deuteranomaly
56, 59.816, 61.288

Tritanomaly
57, 75.306, 33.155

Monochromacy



Original Color
57, 79.796, 40.303

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 27.463, 36.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 79.796, 40.303 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, 80, 49)` looks like.

```
.text, #text, p{  
    color:rgb(243, 80, 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, 80, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 80, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 79.796, 40.303 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, 80, 49) }
```

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

```
.border{ border-color:rgb(243, 80, 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, 80, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 80, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 80, 49);  
box-shadow:4px 4px 4px 4px rgb(243, 80,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 79.796, 40.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 80, 49) }
```

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

```
.background{ background-color: rgb(243, 80,  
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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