

Converting Colors

CIELCh(57, 86.803, 49.099)

Have a look what the booklet for
CIELCh(57, 86.803, 49.099) contains.

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Color

CIELCh(57, 86.681, 49.078)

Conversions

Conversions Part 1

Format	Color
Hex	EF5508
RGB	239, 85, 8
RGB Percent	94%, 33%, 3%
CMY	0.0620, 0.6660, 0.9676
CMYK	0.00, 0.64, 0.97, 0.06
HSL	20°, 93%, 49%
HSV	20°, 97%, 94%
XYZ	38.9649, 24.9227, 2.9939
YIQ	122.2680, 116.5010, 8.7010

Conversions

Conversions Part 2

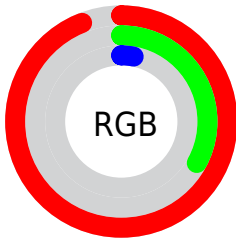
Format	Color
R_{YB}	239, 124, 8
Decimal	15684872
CIE Lab	57.00, 56.78, 65.50
CIE LCh	57, 86.681, 49.078
Yxy	24.9227, 0.5826, 0.3726
Android (android.graphics.Color)	4293874952 (0xFFEF5508)
YUV	122.2680, -56.3341, 102.3740
Hunter-Lab	49.9226, 51.9556, 31.3901

Details

The CIELCh color **57, 86.681, 49.078** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **64, 48.687, 261.181**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 67.775, 56.087**, and **37, 76.410, 41.721** is the 20% darker color. If you saturate the color by 10%, you get **56, 89.001, 48.536**, and if you desaturate by 10%, it is **60, 78.837, 50.525**.

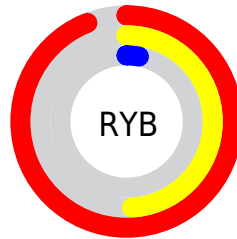
Distribution



Red (94%)

Green (33%)

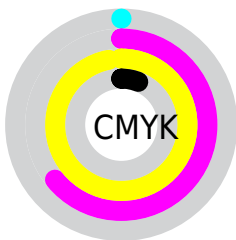
Blue (3%)



Red (94%)

Yellow (49%)

Blue (3%)

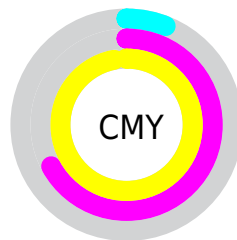


Cyan (0%)

Magenta (64%)

Yellow (97%)

Black (6%)



Cyan (6%)

Magenta (67%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 86.681, 49.078 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, 86.681, 49.078 by changing the saturation by 10% instead.

■ 57, 86.681, 49.078

■ 57, 86.681, 49.078

■ 100, 86.681,
49.078

■ 47, 86.681, 49.078

■ 77, 86.681, 49.078

■ 37, 86.681, 49.078

■ 87, 86.681, 49.078

■ 27, 86.681, 49.078

■ 97, 86.681, 49.078

■ 17, 86.681, 49.078

■ 7, 86.681, 49.078

■ 0, 86.681, 49.078

■ 57, 86.681, 49.078

■ 57, 86.681, 49.078

■ 56, 89.001, 48.536

■ 60, 78.837, 50.525

■ 63, 68.947, 51.203

66, 58.432, 51.611

70, 48.056, 51.997

74, 38.156, 52.452

78, 28.858, 53.001

83, 20.189, 53.634

87, 12.127, 54.330

92, 4.626, 55.022

Harmonies

Complementary

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



57, 86.681, 49.078



64, 48.687, 261.181

Rectangle

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



57, 86.681, 49.078



57, 86.681, 99.078



57, 86.681, 229.078



57, 86.681, 279.078

Sweetspot

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



57, 86.678, 49.080



86, 23.453, 53.466



53, 86.724, 345.781



44, 16.354, 53.193



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, 86.678, 49.080



60, 93.541, 48.414



81, 81.399, 89.546



48, 4.066, 54.831



43, 72.547, 49.129



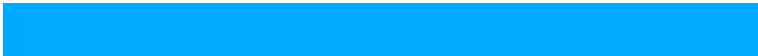
11, 24.433, 44.896

Inverse Universe

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



64, 48.687, 261.181



67, 52.410, 263.138



35, 111.573, 302.584



48, 3.878, 236.594



49, 40.453, 261.997



13, 16.366, 253.586

Previews

White Background



This preview shows how the CIELCh color 57, 86.681, 49.078 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, 86.681, 49.078 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, 86.681, 49.078

Background



This preview shows how black text looks on a background with the CIELCh color 57, 86.681, 49.078.



This preview shows how white text looks on a background with the CIELCh color 57, 86.681, 49.078.

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, 86.681, 49.078

Protanopia

57, 56.728, 95.324

Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 70.108, 27.684

Trichromacy



Original Color
57, 86.681, 49.078

Protanomaly
56, 61.402, 71.756

Deuteranomaly
56, 67.986, 67.062

Tritanomaly
57, 76.386, 38.575

Monochromacy



Original Color
57, 86.681, 49.078

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 31.210, 52.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 86.681, 49.078 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(239, 85, 8)` looks like.

```
.text, #text, p{  
    color:rgb(239, 85, 8)  
}
```

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(239, 85, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 85, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 86.681, 49.078 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(239, 85, 8) }
```

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

```
.border{ border-color:rgb(239, 85, 8) }
```

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

Here you see how a box with a 4 pixel rgb(239, 85, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 85, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 85, 8);  
box-shadow:4px 4px 4px 4px rgb(239, 85, 8)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 86.681, 49.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 85, 8) }
```

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

```
.background{ background-color: rgb(239, 85,  
8) }
```

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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