

Converting Colors

CIELCh(57, 89.231, 43.605)

Have a look what the booklet for
CIELCh(57, 89.231, 43.605) contains.

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Color

CIELCh(57, 89.533, 43.597)

Conversions

Conversions Part 1

Format	Color
Hex	F9491A
RGB	249, 73, 26
RGB Percent	98%, 29%, 10%
CMY	0.0243, 0.7143, 0.8987
CMYK	0.00, 0.71, 0.90, 0.02
HSL	13°, 95%, 54%
HSV	13°, 90%, 98%
XYZ	41.5575, 24.9227, 3.5883
YIQ	120.2660, 119.9830, 22.6950

Conversions

Conversions Part 2

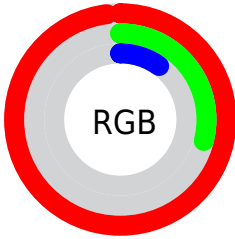
Format	Color
R_{YB}	249, 86, 26
Decimal	16337178
CIE _{Lab}	57.00, 64.84, 61.74
CIE _{LCh}	57, 89.533, 43.597
Yxy	24.9227, 0.5931, 0.3557
Android (android.graphics.Color)	4294527258 (0xFFFF9491A)
YUV	120.2660, -46.4731, 112.8997
Hunter-Lab	49.9226, 61.2255, 30.6843

Details

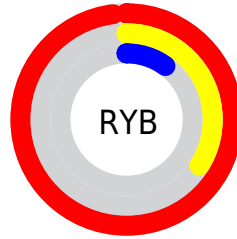
The CIELCh color **57, 89.533, 43.597** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **76, 42.352, 234.573**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 65.653, 48.745**, and **38, 81.502, 39.993** is the 20% darker color. If you saturate the color by 10%, you get **55, 97.288, 43.383**, and if you desaturate by 10%, it is **60, 79.023, 43.008**.

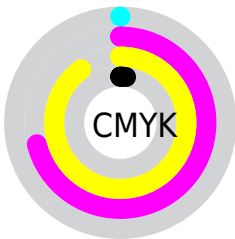
Distribution



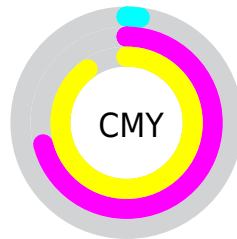
- Red (98%)
- Green (29%)
- Blue (10%)



- Red (98%)
- Yellow (34%)
- Blue (10%)



- Cyan (0%)
- Magenta (71%)
- Yellow (90%)
- Black (2%)



- Cyan (2%)
- Magenta (71%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 89.533, 43.597 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, 89.533, 43.597 by changing the saturation by 10% instead.

57, 89.533, 43.597

57, 89.533, 43.597

100, 89.533,
43.597

47, 89.533, 43.597

77, 89.533, 43.597

37, 89.533, 43.597

87, 89.533, 43.597

27, 89.533, 43.597

97, 89.533, 43.597

17, 89.533, 43.597

7, 89.533, 43.597

0, 89.533, 43.597

57, 89.533, 43.597

57, 89.533, 43.597

55, 97.288, 43.383

60, 79.023, 43.008

55, 97.561, 43.386

64, 67.442, 42.139

68, 55.858, 41.363

72, 44.742, 40.798

77, 34.293, 40.456

82, 24.583, 40.309

87, 15.612, 40.317

93, 7.341, 40.420

98, 0.287, 222.970

Harmonies

Complementary

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



57, 89.533, 43.597



76, 42.352, 234.573

Rectangle

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



57, 89.533, 43.597



57, 89.533, 93.597



57, 89.533, 223.597



57, 89.533, 273.597

Sweetspot

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



57, 89.530, 43.599



85, 22.617, 40.298



57, 96.040, 337.241



43, 15.461, 40.315



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, 89.530, 43.599



56, 99.437, 43.354



78, 78.474, 80.652



49, 4.354, 40.421



42, 78.809, 43.806



11, 28.575, 37.177

Inverse Universe

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



76, 42.352, 234.573



76, 44.326, 238.816



45, 91.606, 295.512



51, 4.104, 221.152



57, 35.257, 237.980



18, 15.756, 232.179

Previews

White Background



This preview shows how the CIELCh color 57, 89.533, 43.597 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, 89.533, 43.597 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, 89.533, 43.597

Background



This preview shows how black text looks on a background with the CIELCh color 57, 89.533, 43.597.



This preview shows how white text looks on a background with the CIELCh color 57, 89.533, 43.597.

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, 89.533, 43.597

Protanopia

57, 50.793, 95.092

Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 79.139, 30.606

Trichromacy



Original Color
57, 89.533, 43.597

Protanomaly
55, 57.301, 66.015

Deuteranomaly
55, 68.767, 63.268

Tritanomaly
57, 82.885, 36.231

Monochromacy



Original Color
57, 89.533, 43.597

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 31.351, 40.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 89.533, 43.597 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(249, 73, 26)` looks like.

```
.text, #text, p{  
    color:rgb(249, 73, 26)  
}
```

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(249, 73, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 73, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 89.533, 43.597 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(249, 73, 26) }
```

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

```
.border{ border-color:rgb(249, 73, 26) }
```

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

Here you see how a box with a 4 pixel rgb(249, 73, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 73, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 73, 26);  
box-shadow:4px 4px 4px 4px rgb(249, 73,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 89.533, 43.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 73, 26) }
```

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

```
.background{ background-color: rgb(249, 73,  
26) }
```

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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