

Converting Colors

CIELCh(59, 85.523, 40.027)

Have a look what the booklet for
CIELCh(59, 85.523, 40.027) contains.

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Color

CIELCh(59, 85.435, 40.089)

Conversions

Conversions Part 1

Format	Color
Hex	FF4E2F
RGB	255, 78, 47
RGB Percent	100%, 31%, 18%
CMY	0.0000, 0.6928, 0.8147
CMYK	0.00, 0.69, 0.81, 0.00
HSL	9°, 100%, 59%
HSV	9°, 81%, 100%
XYZ	44.6337, 27.0277, 5.5808
YIQ	127.3890, 115.4430, 27.8830

Conversions

Conversions Part 2

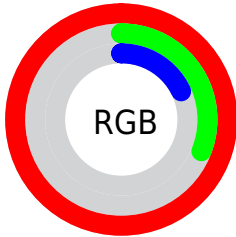
Format	Color
RYB	255, 83, 47
Decimal	16731695
CIELab	59.00, 65.36, 55.02
CIELCh	59, 85.435, 40.089
Yxy	27.0277, 0.5778, 0.3499
Android (android.graphics.Color)	4294921775 (0xFFFF4E2F)
YUV	127.3890, -39.6318, 111.9148
Hunter-Lab	51.9882, 62.2690, 30.0271

Details

The CIELCh color **59, 85.435, 40.089** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **82, 42.093, 220.330**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 58.925, 44.779**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 95.563, 41.380**, and if you desaturate by 10%, it is **62, 73.450, 38.477**.

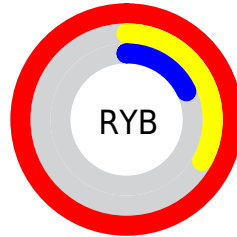
Distribution



Red (100%)

Green (31%)

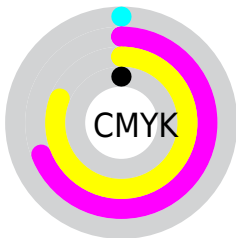
Blue (18%)



Red (100%)

Yellow (33%)

Blue (18%)

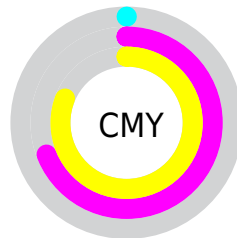


Cyan (0%)

Magenta (69%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (69%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 85.435, 40.089 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 59, 85.435, 40.089 by changing the saturation by 10% instead.

 59, 85.435, 40.089

 59, 85.435, 40.089

 100, 85.435,
40.089

 49, 85.435, 40.089

 79, 85.435, 40.089

 39, 85.435, 40.089

 89, 85.435, 40.089

 29, 85.435, 40.089

 99, 85.435, 40.089

 19, 85.435, 40.089

 9, 85.435, 40.089


 0, 85.435, 40.089

 59, 85.435, 40.089

 59, 85.435, 40.089

 56, 95.563, 41.380

 62, 73.450, 38.477

 55, 101.702,

 67, 61.338, 37.010

41.780

71, 49.556, 35.845

76, 38.381, 34.991

82, 27.941, 34.403

87, 18.272, 34.028

93, 9.357, 33.801

99, 1.148, 33.230

100, 0.012,
296.813

Harmonies

Complementary

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



59, 85.435, 40.089



82, 42.093, 220.330

Rectangle

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



59, 85.435, 40.089



59, 85.435, 90.089



59, 85.435, 220.089



59, 85.435, 270.089

Sweetspot

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



59, 85.298, 40.098



86, 20.647, 34.106



61, 99.756, 333.295



44, 14.400, 34.235



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59, 85.298, 40.098



55, 100.383, 41.653



78, 74.284, 76.401



50, 4.601, 33.764



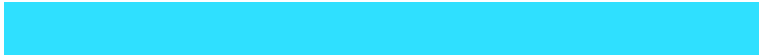
41, 81.527, 42.101



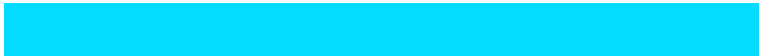
11, 30.714, 34.519

Inverse Universe

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



82, 42.093, 220.330



80, 43.491, 224.626



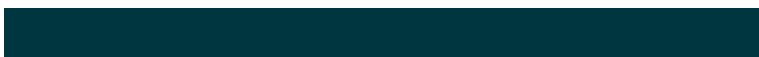
54, 75.677, 288.329



52, 4.326, 213.940



62, 35.107, 224.649



20, 16.234, 220.792

Previews

White Background



This preview shows how the CIELCh color 59, 85.435, 40.089 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 59, 85.435, 40.089 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 59, 85.435, 40.089

Background



This preview shows how black text looks on a background with the CIELCh color 59, 85.435, 40.089.



This preview shows how white text looks on a background with the CIELCh color 59, 85.435, 40.089.

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

59, 85.435, 40.089

Protanopia

59, 42.620, 95.332

Deuteranopia

59, 58.174, 82.624



Tritanopia
59, 77.408, 29.701

Trichromacy



Original Color
59, 85.435, 40.089

Protanomaly
57, 50.141, 61.754

Deuteranomaly
57, 63.839, 60.623

Tritanomaly
59, 80.153, 34.100

Monochromacy



Original Color
59, 85.435, 40.089

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 29.378, 34.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 85.435, 40.089 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(255, 78, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 47)  
}
```

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(255, 78, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 85.435, 40.089 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(255, 78, 47) }
```

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

```
.border{ border-color:rgb(255, 78, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 78, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 85.435, 40.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 47) }
```

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

```
.background{ background-color: rgb(255, 78,  
47) }
```

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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