

Converting Colors

CIELCh(58, 88.878, 40.934)

Have a look what the booklet for
CIELCh(58, 88.878, 40.934) contains.

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Color

CIELCh(58, 89.023, 40.937)

Conversions

Conversions Part 1

Format	Color
Hex	FF4826
RGB	255, 72, 38
RGB Percent	100%, 28%, 15%
CMY	0.0009, 0.7185, 0.8517
CMYK	0.00, 0.72, 0.85, 0.00
HSL	9°, 100%, 57%
HSV	9°, 85%, 100%
XYZ	43.8046, 25.9610, 4.5210
YIQ	122.8410, 119.9820, 28.2220

Conversions

Conversions Part 2

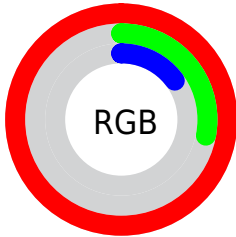
Format	Color
RYB	255, 78, 38
Decimal	16730150
CIELab	58.00, 67.25, 58.33
CIELCh	58, 89.023, 40.937
Yxy	25.9610, 0.5897, 0.3495
Android (android.graphics.Color)	4294920230 (0xFFFF4826)
YUV	122.8410, -41.8266, 115.9034
Hunter-Lab	50.9519, 64.2949, 30.4055

Details

The CIELCh color **58, 89.023, 40.937** 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 **81, 42.472, 222.493**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 62.376, 45.359**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 98.157, 41.776**, and if you desaturate by 10%, it is **61, 77.548, 39.453**.

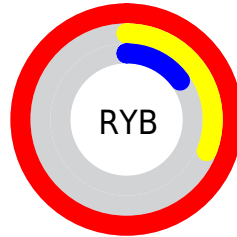
Distribution



Red (100%)

Green (28%)

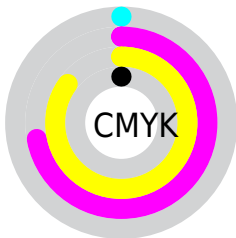
Blue (15%)



Red (100%)

Yellow (31%)

Blue (15%)

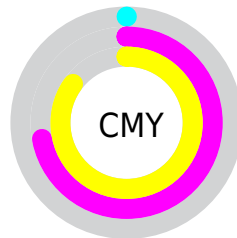


Cyan (0%)

Magenta (72%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 89.023, 40.937 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 58, 89.023, 40.937 by changing the saturation by 10% instead.

 58, 89.023, 40.937

 58, 89.023, 40.937

 100, 89.023,
40.937

 48, 89.023, 40.937

 78, 89.023, 40.937

 38, 89.023, 40.937

 88, 89.023, 40.937

 28, 89.023, 40.937

 98, 89.023, 40.937

 18, 89.023, 40.937

 8, 89.023, 40.937


 0, 89.023, 40.937

 58, 89.023, 40.937

 58, 89.023, 40.937

 56, 98.157, 41.776

 61, 77.548, 39.453

 55, 101.403,

 65, 65.463, 37.980

41.931

70, 53.554, 36.767

74, 42.184, 35.858

80, 31.520, 35.227

85, 21.621, 34.823

91, 12.485, 34.588

97, 4.071, 34.405

100, 0.081,
207.633

Harmonies

Complementary

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



58, 89.023, 40.937



81, 42.472, 222.493

Rectangle

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



58, 89.023, 40.937



58, 89.023, 90.937



58, 89.023, 220.937



58, 89.023, 270.937

Sweetspot

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



58, 89.020, 40.939



85, 22.446, 34.850



60, 100.068, 334.306



43, 15.441, 34.973



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 89.020, 40.939



55, 101.475, 41.930



78, 76.828, 77.127



50, 4.578, 34.498



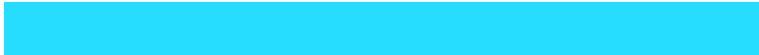
41, 81.334, 42.264



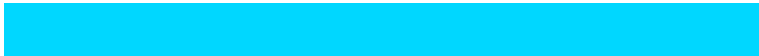
11, 30.613, 34.864

Inverse Universe

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



81, 42.472, 222.493



80, 43.542, 226.758



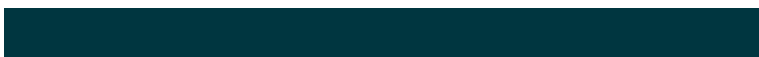
51, 81.563, 290.885



52, 4.305, 214.736



61, 35.076, 226.165



20, 16.198, 222.103

Previews

White Background



This preview shows how the CIELCh color 58, 89.023, 40.937 looks on a white background.

Color Contrast Check

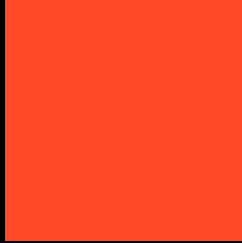
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 89.023, 40.937 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 58, 89.023, 40.937

Background



This preview shows how black text looks on a background with the CIELCh color 58, 89.023, 40.937.



This preview shows how white text looks on a background with the CIELCh color 58, 89.023, 40.937.

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

58, 89.023, 40.937

Protanopia

58, 46.416, 95.541

Tritanopia

58, 80.841, 31.050

Trichromacy



Original Color
58, 89.023, 40.937

Protanomaly
56, 53.871, 62.370

Tritanomaly
58, 83.726, 35.116

Monochromacy



Original Color
58, 89.023, 40.937

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 31.303, 35.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 89.023, 40.937 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, 72, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 38)  
}
```

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, 72, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 89.023, 40.937 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, 72, 38) }
```

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

```
.border{ border-color:rgb(255, 72, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 72, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 89.023, 40.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 38) }
```

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

```
.background{ background-color: rgb(255, 72,  
38) }
```

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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