

Converting Colors

CIELCh(57, 90.226, 38.292)

Have a look what the booklet for
CIELCh(57, 90.226, 38.292) contains.

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Color

CIELCh(57, 90.065, 38.486)

Conversions

Conversions Part 1

Format	Color
Hex	FF3E29
RGB	255, 62, 41
RGB Percent	100%, 24%, 16%
CMY	0.0000, 0.7560, 0.8387
CMYK	0.00, 0.76, 0.84, 0.00
HSL	6°, 100%, 58%
HSV	6°, 84%, 100%
XYZ	43.4443, 24.9227, 4.6309
YIQ	117.3130, 121.7690, 34.3850

Conversions

Conversions Part 2

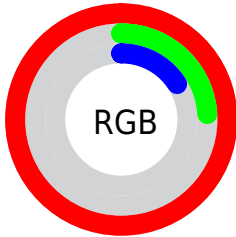
Format	Color
R_{YB}	255, 64, 41
Decimal	16727593
CIE Lab	57.00, 70.50, 56.05
CIE LCh	57, 90.065, 38.486
Yxy	24.9227, 0.5951, 0.3414
Android (android.graphics.Color)	4294917673 (0xFFFF3E29)
YUV	117.3130, -37.6223, 120.7515
Hunter-Lab	49.9226, 67.9722, 29.4459

Details

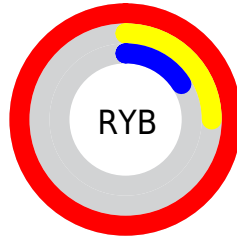
The CIELCh color **57, 90.065, 38.486** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **85, 43.735, 211.664**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 63.142, 41.394**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **55, 99.251, 40.256**, and if you desaturate by 10%, it is **60, 78.466, 36.207**.

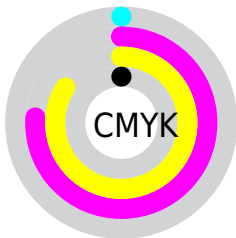
Distribution



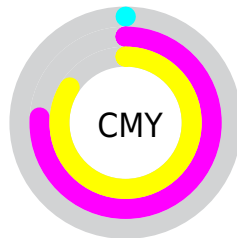
- Red (100%)
- Green (24%)
- Blue (16%)



- Red (100%)
- Yellow (25%)
- Blue (16%)



- Cyan (0%)
- Magenta (76%)
- Yellow (84%)
- Black (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 90.065, 38.486 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, 90.065, 38.486 by changing the saturation by 10% instead.

 57, 90.065, 38.486

 57, 90.065, 38.486

 100, 90.065,
38.486

 47, 90.065, 38.486

 77, 90.065, 38.486

 37, 90.065, 38.486

 87, 90.065, 38.486

 27, 90.065, 38.486

 97, 90.065, 38.486

 17, 90.065, 38.486

 7, 90.065, 38.486


 0, 90.065, 38.486

 57, 90.065, 38.486

 57, 90.065, 38.486

 55, 99.251, 40.256

 60, 78.466, 36.207

 54, 103.093,

 64, 66.288, 34.092

40.890

69, 54.195, 32.362

74, 42.560, 31.032

79, 31.583, 30.047

85, 21.357, 29.334

91, 11.900, 28.822

98, 3.184, 28.343

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.



57, 90.065, 38.486



85, 43.735, 211.664

Rectangle

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



57, 90.065, 38.486



57, 90.065, 88.486



57, 90.065, 218.486



57, 90.065, 268.486

Sweetspot

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



57, 89.993, 38.488



85, 22.475, 29.403



61, 104.488, 331.273



43, 15.559, 29.636



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, 89.993, 38.488



54, 103.093, 40.890



75, 75.464, 71.413



50, 4.790, 28.635



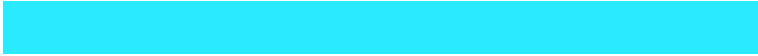
41, 82.739, 41.121



11, 31.512, 32.003

Inverse Universe

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



85, 43.735, 211.664



84, 44.617, 214.290



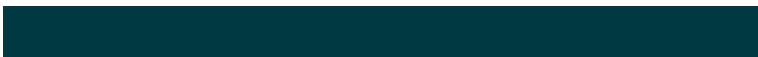
56, 71.722, 285.438



52, 4.502, 208.375



65, 35.984, 213.945



21, 16.718, 211.592

Previews

White Background



This preview shows how the CIELCh color 57, 90.065, 38.486 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, 90.065, 38.486 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, 90.065, 38.486

Background



This preview shows how black text looks on a background with the CIELCh color 57, 90.065, 38.486.



This preview shows how white text looks on a background with the CIELCh color 57, 90.065, 38.486.

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, 90.065, 38.486

Protanopia

57, 42.670, 95.739

Deuteranopia

57, 60.176, 83.173



Tritanopia
57, 84.673, 32.530

Trichromacy



Original Color
57, 90.065, 38.486

Protanomaly
54, 51.524, 58.873

Deuteranomaly
55, 66.581, 59.174

Tritanomaly
57, 86.767, 34.935

Monochromacy



Original Color
57, 90.065, 38.486

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 32.219, 31.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 90.065, 38.486 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, 62, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 41)  
}
```

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, 62, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 90.065, 38.486 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, 62, 41) }
```

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

```
.border{ border-color:rgb(255, 62, 41) }
```

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

Here you see how a box with a 4 pixel rgb(255, 62, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 90.065, 38.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 41) }
```

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

```
.background{ background-color: rgb(255, 62,  
41) }
```

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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