

Converting Colors

CIELCh(57, 89.958, 38.794)

Have a look what the booklet for
CIELCh(57, 89.958, 38.794) contains.

CIELCh(57, 90.152, 38.882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(57, 90.152, 38.882)

Conversions

Conversions Part 1

Format	Color
Hex	FF3F28
RGB	255, 63, 40
RGB Percent	100%, 25%, 16%
CMY	0.0006, 0.7535, 0.8436
CMYK	0.00, 0.75, 0.84, 0.00
HSL	6°, 100%, 58%
HSV	6°, 84%, 100%
XYZ	43.3357, 24.9227, 4.5242
YIQ	117.7860, 121.8150, 33.5510

Conversions

Conversions Part 2

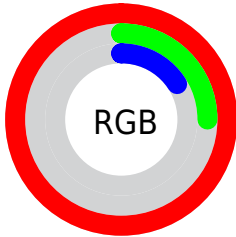
Format	Color
R_{YB}	255, 66, 40
Decimal	16727848
CIE _{Lab}	57.00, 70.18, 56.59
CIE _{LCh}	57, 90.152, 38.882
Yxy	24.9227, 0.5954, 0.3424
Android (android.graphics.Color)	4294917928 (0xFFFF3F28)
YUV	117.7860, -38.3485, 120.3367
Hunter-Lab	49.9226, 67.5837, 29.5727

Details

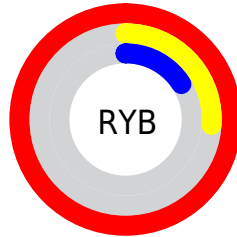
The CIELCh color **57, 90.152, 38.882** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **85, 43.494, 213.188**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 63.233, 42.223**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **55, 99.296, 40.487**, and if you desaturate by 10%, it is **60, 78.658, 36.719**.

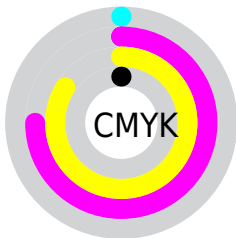
Distribution



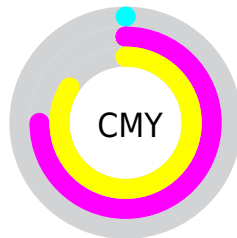
- Red (100%)
- Green (25%)
- Blue (16%)



- Red (100%)
- Yellow (26%)
- Blue (16%)



- Cyan (0%)
- Magenta (75%)
- Yellow (84%)
- Black (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 90.152, 38.882 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, 90.152, 38.882 by changing the saturation by 10% instead.

 57, 90.152, 38.882

 57, 90.152, 38.882


 100, 90.152,
38.882

 47, 90.152, 38.882

 77, 90.152, 38.882

 37, 90.152, 38.882

 87, 90.152, 38.882


 27, 90.152, 38.882

 97, 90.152, 38.882

 17, 90.152, 38.882

 7, 90.152, 38.882


 0, 90.152, 38.882

 57, 90.152, 38.882

 57, 90.152, 38.882

 55, 99.296, 40.487

 60, 78.658, 36.719

 54, 102.853,

 64, 66.496, 34.687

41.012

69, 54.421, 33.019

74, 42.810, 31.737

79, 31.863, 30.791

85, 21.669, 30.114

91, 12.244, 29.634

97, 3.558, 29.207

100, 0.052,
212.273

Harmonies

Complementary

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



57, 90.152, 38.882



85, 43.494, 213.188

Rectangle

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



57, 90.152, 38.882



57, 90.152, 88.882



57, 90.152, 218.882



57, 90.152, 268.882

Sweetspot

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



57, 90.149, 38.884



85, 22.322, 30.151



60, 103.409, 331.997



43, 15.454, 30.368



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, 90.149, 38.884



54, 102.899, 41.011



76, 75.824, 72.811



50, 4.757, 29.445



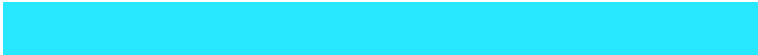
41, 82.566, 41.256



11, 31.375, 32.414

Inverse Universe

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



85, 43.494, 213.188



83, 44.350, 216.016



55, 74.234, 286.964



52, 4.470, 209.254



64, 35.766, 215.636



21, 16.614, 213.043

Previews

White Background



This preview shows how the CIELCh color 57, 90.152, 38.882 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, 90.152, 38.882 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, 90.152, 38.882

Background



This preview shows how black text looks on a background with the CIELCh color 57, 90.152, 38.882.



This preview shows how white text looks on a background with the CIELCh color 57, 90.152, 38.882.

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, 90.152, 38.882

Protanopia

57, 43.146, 95.775

Deuteranopia

57, 61.082, 83.350



Tritanopia
57, 84.673, 32.530

Trichromacy



Original Color
57, 90.152, 38.882

Protanomaly
54, 51.910, 59.195

Deuteranomaly
55, 67.464, 60.212

Tritanomaly
57, 86.586, 35.104

Monochromacy



Original Color
57, 90.152, 38.882

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 32.153, 31.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 90.152, 38.882 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, 63, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 40)  
}
```

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, 63, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 90.152, 38.882 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, 63, 40) }
```

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

```
.border{ border-color:rgb(255, 63, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 63, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 63,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 90.152, 38.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 63, 40) }
```

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

```
.background{ background-color: rgb(255, 63,  
40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor