

Converting Colors

CIELCh(57, 88.941, 37.670)

Have a look what the booklet for
CIELCh(57, 88.941, 37.670) contains.

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Color

CIELCh(57, 88.824, 37.685)

Conversions

Conversions Part 1

Format	Color
Hex	FF3F2D
RGB	255, 63, 45
RGB Percent	100%, 25%, 18%
CMY	0.0010, 0.7539, 0.8243
CMYK	0.00, 0.75, 0.82, 0.00
HSL	5°, 100%, 59%
HSV	5°, 82%, 100%
XYZ	43.3749, 24.9227, 4.9879
YIQ	118.3560, 120.2100, 35.1060

Conversions

Conversions Part 2

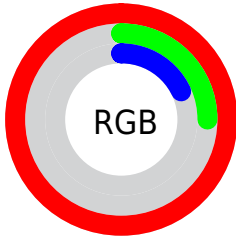
Format	Color
RYB	255, 65, 45
Decimal	16727853
CIELab	57.00, 70.29, 54.30
CIELCh	57, 88.824, 37.685
Yxy	24.9227, 0.5919, 0.3401
Android (android.graphics.Color)	4294917933 (0xFFFF3F2D)
YUV	118.3560, -36.1645, 119.8368
Hunter-Lab	49.9226, 67.7237, 29.0220

Details

The CIELCh color **57, 88.824, 37.685** 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 **86, 43.995, 209.268**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 61.756, 40.264**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **55, 98.456, 39.778**, and if you desaturate by 10%, it is **60, 77.184, 35.228**.

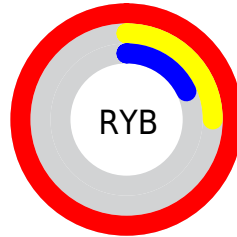
Distribution



Red (100%)

Green (25%)

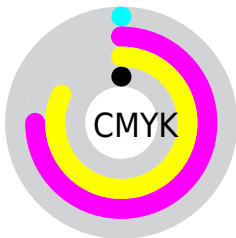
Blue (18%)



Red (100%)

Yellow (25%)

Blue (18%)

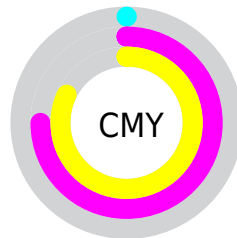


Cyan (0%)

Magenta (75%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (75%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 88.824, 37.685 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, 88.824, 37.685 by changing the saturation by 10% instead.

 57, 88.824, 37.685

 57, 88.824, 37.685

 100, 88.824,
37.685

 47, 88.824, 37.685

 77, 88.824, 37.685

 37, 88.824, 37.685

 87, 88.824, 37.685

 27, 88.824, 37.685

 97, 88.824, 37.685

 17, 88.824, 37.685

 7, 88.824, 37.685

 0, 88.824, 37.685

 57, 88.824, 37.685

 57, 88.824, 37.685

 55, 98.456, 39.778

 60, 77.184, 35.228

 54, 103.290,

 64, 64.994, 33.015

40.719

69, 52.915, 31.224

74, 41.298, 29.850

80, 30.341, 28.827

86, 20.134, 28.078

92, 10.694, 27.526

98, 1.992, 26.893

100, 0.092,
206.609

Harmonies

Complementary

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



57, 88.824, 37.685



86, 43.995, 209.268

Rectangle

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



57, 88.824, 37.685



57, 88.824, 87.685



57, 88.824, 217.685



57, 88.824, 267.685

Sweetspot

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



57, 88.821, 37.687



84, 22.724, 28.250



61, 103.722, 331.211



43, 15.730, 28.507



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, 88.821, 37.687



54, 102.789, 40.568



76, 74.373, 71.724



50, 4.845, 27.386



40, 82.990, 40.926



11, 31.734, 31.358

Inverse Universe

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



86, 43.995, 209.268



85, 45.091, 211.486



56, 70.345, 284.841



52, 4.553, 207.021



65, 36.381, 211.345



22, 16.900, 209.360

Previews

White Background



This preview shows how the CIELCh color 57, 88.824, 37.685 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, 88.824, 37.685 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, 88.824, 37.685

Background



This preview shows how black text looks on a background with the CIELCh color 57, 88.824, 37.685.



This preview shows how white text looks on a background with the CIELCh color 57, 88.824, 37.685.

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, 88.824, 37.685

Protanopia

57, 40.732, 95.568

Deuteranopia

57, 58.022, 82.718



Tritanopia
57, 84.673, 32.530

Trichromacy



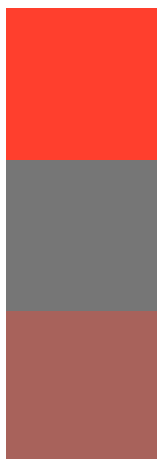
Original Color
57, 88.824, 37.685

Protanomaly
54, 49.970, 57.502

Deuteranomaly
55, 64.473, 58.416

Tritanomaly
57, 86.054, 34.525

Monochromacy



Original Color
57, 88.824, 37.685

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 31.954, 30.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 88.824, 37.685 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 88.824, 37.685 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, 45) }
```

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

```
.border{ border-color:rgb(255, 63, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 63,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 88.824, 37.685 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, 45) }
```

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

```
.background{ background-color: rgb(255, 63,  
45) }
```

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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