

Converting Colors

CIELCh(57, 85.920, 33.320)

Have a look what the booklet for
CIELCh(57, 85.920, 33.320) contains.

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Color

CIELCh(57, 85.630, 33.291)

Conversions

Conversions Part 1

Format	Color
Hex	FF3C3B
RGB	255, 60, 59
RGB Percent	100%, 24%, 23%
CMY	0.0000, 0.7631, 0.7676
CMYK	0.00, 0.76, 0.77, 0.00
HSL	0°, 100%, 62%
HSV	0°, 77%, 100%
XYZ	43.8102, 24.9227, 6.6750
YIQ	118.1910, 116.5410, 41.0290

Conversions

Conversions Part 2

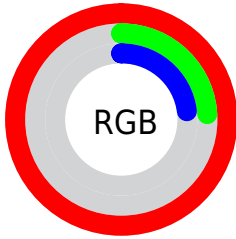
Format	Color
R_{YB}	255, 60, 59
Decimal	16727099
CIE _{Lab}	57.00, 71.58, 47.00
CIE _{LCh}	57, 85.630, 33.291
Yxy	24.9227, 0.5810, 0.3305
Android (android.graphics.Color)	4294917179 (0xFFFF3C3B)
YUV	118.1910, -29.1812, 119.9815
Hunter-Lab	49.9226, 69.2804, 27.0184

Details

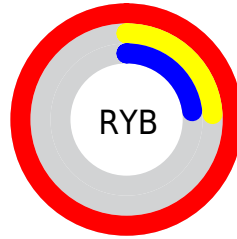
The CIELCh color **57, 85.630, 33.291** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 46.915, 197.303**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 58.819, 33.671**, and **39, 80.410, 37.135** is the 20% darker color. If you saturate the color by 10%, you get **55, 95.843, 36.789**, and if you desaturate by 10%, it is **60, 73.753, 29.933**.

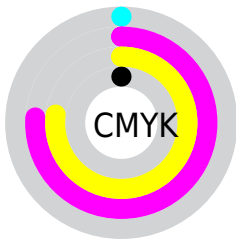
Distribution



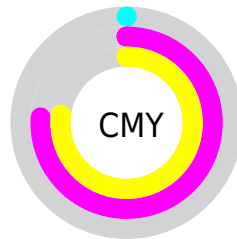
- Red (100%)
- Green (24%)
- Blue (23%)



- Red (100%)
- Yellow (24%)
- Blue (23%)



- Cyan (0%)
- Magenta (76%)
- Yellow (77%)
- Black (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 85.630, 33.291 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, 85.630, 33.291 by changing the saturation by 10% instead.

■ 57, 85.630, 33.291

■ 57, 85.630, 33.291

■ 100, 85.630,
33.291

■ 47, 85.630, 33.291

■ 77, 85.630, 33.291

■ 37, 85.630, 33.291

■ 87, 85.630, 33.291

■ 27, 85.630, 33.291

■ 97, 85.630, 33.291

■ 17, 85.630, 33.291

■ 7, 85.630, 33.291

■ 0, 85.630, 33.291

■ 57, 85.630, 33.291

■ 57, 85.630, 33.291

■ 55, 95.843, 36.789

■ 60, 73.753, 29.933

■ 53, 102.877,

■ 65, 61.534, 27.145

39.395

70, 49.338, 24.956

53, 104.505,
40.041

76, 37.523, 23.276

82, 26.321, 21.995

89, 15.850, 21.009

95, 6.142, 20.199

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, 85.630, 33.291



91, 46.915, 197.303

Rectangle

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



57, 85.630, 33.291



57, 85.630, 83.291



57, 85.630, 213.291



57, 85.630, 263.291

Sweetspot

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



57, 85.487, 33.280



85, 22.295, 21.595



63, 106.507, 327.962



43, 15.649, 21.979



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, 85.487, 33.280



54, 100.118, 38.359



73, 69.801, 65.293



50, 5.223, 20.416



40, 84.148, 40.059



10, 33.244, 27.462

Inverse Universe

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



91, 46.915, 197.303



91, 49.246, 197.274



64, 56.795, 274.575



52, 4.916, 199.474



70, 40.025, 197.297



24, 18.432, 197.187

Previews

White Background



This preview shows how the CIELCh color 57, 85.630, 33.291 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, 85.630, 33.291 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, 85.630, 33.291

Background



This preview shows how black text looks on a background with the CIELCh color 57, 85.630, 33.291.



This preview shows how white text looks on a background with the CIELCh color 57, 85.630, 33.291.

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, 85.630, 33.291

Protanopia

57, 30.807, 95.626

Deuteranopia

57, 50.342, 81.736



Tritanopia
57, 84.858, 32.362

Trichromacy



Original Color
57, 85.630, 33.291

Protanomaly
54, 43.230, 49.506

Deuteranomaly
55, 58.193, 53.620

Tritanomaly
57, 85.114, 32.675

Monochromacy



Original Color
57, 85.630, 33.291

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 31.358, 23.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 85.630, 33.291 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, 60, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 60, 59)  
}
```

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, 60, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 60, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 85.630, 33.291 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, 60, 59) }
```

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

```
.border{ border-color:rgb(255, 60, 59) }
```

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

Here you see how a box with a 4 pixel rgb(255, 60, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 60, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 60, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 60,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 85.630, 33.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 60, 59) }
```

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

```
.background{ background-color: rgb(255, 60,  
59) }
```

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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