

# Converting Colors

CIELCh(57, 85.692, 33.155)

Have a look what the booklet for  
CIELCh(57, 85.692, 33.155) contains.

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**Color**

**CIELCh(57, 85.371, 32.985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3C3C
RGB	255, 60, 60
RGB Percent	100%, 24%, 24%
CMY	0.0000, 0.7632, 0.7638
CMYK	0.00, 0.76, 0.76, 0.00
HSL	0°, 100%, 62%
HSV	0°, 76%, 100%
XYZ	43.8214, 24.9227, 6.8089
YIQ	118.3050, 116.2200, 41.3400

# Conversions

## Conversions Part 2

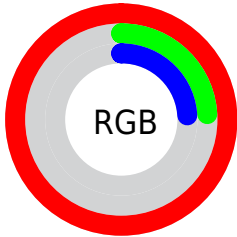
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 60, 60
Decimal	16727100
CIE <sub>Lab</sub>	57.00, 71.61, 46.48
CIE <sub>LCh</sub>	57, 85.371, 32.985
Yxy	24.9227, 0.5800, 0.3299
Android (android.graphics.Color)	4294917180 (0xFFFF3C3C)
YUV	118.3050, -28.7444, 119.8815
Hunter-Lab	49.9226, 69.3203, 26.8593

# Details

The CIELCh color **57, 85.371, 32.985** 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 **92, 47.121, 196.646**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 58.587, 33.201**, and **39, 80.181, 36.903** is the 20% darker color. If you saturate the color by 10%, you get **55, 95.620, 36.563**, and if you desaturate by 10%, it is **60, 73.510, 29.581**.

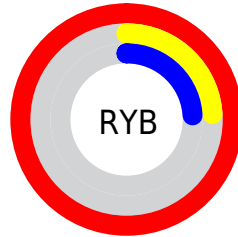
# Distribution



Red (100%)

Green (24%)

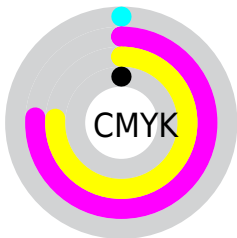
Blue (24%)



Red (100%)

Yellow (24%)

Blue (24%)

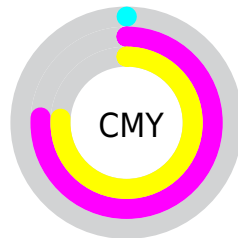


Cyan (0%)

Magenta (76%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (76%)

Yellow (76%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 85.371, 32.985 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, 85.371, 32.985 by changing the saturation by 10% instead.



 57, 85.371, 32.985

 57, 85.371, 32.985

 100, 85.371,  
32.985

 47, 85.371, 32.985

 77, 85.371, 32.985

 37, 85.371, 32.985

 87, 85.371, 32.985

 27, 85.371, 32.985

 97, 85.371, 32.985

 17, 85.371, 32.985

 7, 85.371, 32.985

 0, 85.371, 32.985

 57, 85.371, 32.985

 57, 85.371, 32.985

 55, 95.620, 36.563

 60, 73.510, 29.581

 53, 102.751,

 65, 61.290, 26.765

39.286

70, 49.084, 24.557

53, 104.567,  
40.005

76, 37.254, 22.863

82, 26.033, 21.570

89, 15.543, 20.572

96, 5.816, 19.746

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, 85.371, 32.985



92, 47.121, 196.646

# Rectangle

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



57, 85.371, 32.985



57, 85.371, 82.985



57, 85.371, 212.985



57, 85.371, 262.985

# Sweetspot

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



57, 85.241, 32.974



84, 22.406, 21.205



63, 106.228, 327.953



43, 15.726, 21.597



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, 85.241, 32.974



54, 100.208, 38.297



73, 69.452, 65.357



49, 5.250, 20.000



40, 84.220, 40.007



10, 33.352, 27.211





# Inverse Universe

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



92, 47.121, 196.646



91, 49.594, 196.516



64, 56.525, 274.415



52, 4.942, 199.024



70, 40.323, 196.496



24, 18.553, 196.482



# Previews

## White Background



This preview shows how the CIELCh color 57, 85.371, 32.985 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, 85.371, 32.985 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, 85.371, 32.985**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 57, 85.371, 32.985.



This preview shows how white text looks on a background with the CIELCh color 57, 85.371, 32.985.

# 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





**Tritanopia**  
57, 84.858, 32.362



# Trichromacy



**Original Color**  
57, 85.371, 32.985

**Protanomaly**  
54, 42.872, 48.965

**Deuteranomaly**  
55, 57.838, 53.306

**Tritanomaly**  
57, 85.114, 32.675

# Monochromacy



**Original Color**  
57, 85.371, 32.985

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
49, 30.857, 23.471

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 85.371, 32.985 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, 60)` looks like.

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

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, 60) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to CIELCh 57, 85.371, 32.985 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, 60) }
```

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

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

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, 60) colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to CIELCh 57, 85.371, 32.985 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, 60) }
```

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

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

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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