

Converting Colors

CIELCh(57, 90.585, 39.977)

Have a look what the booklet for
CIELCh(57, 90.585, 39.977) contains.

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Color

CIELCh(57, 90.639, 39.936)

Conversions

Conversions Part 1

Format	Color
Hex	FE4024
RGB	254, 64, 36
RGB Percent	100%, 25%, 14%
CMY	0.0032, 0.7482, 0.8583
CMYK	0.00, 0.75, 0.86, 0.00
HSL	8°, 99%, 57%
HSV	8°, 86%, 100%
XYZ	43.1066, 24.9227, 4.2190
YIQ	117.6180, 122.2280, 31.5720

Conversions

Conversions Part 2

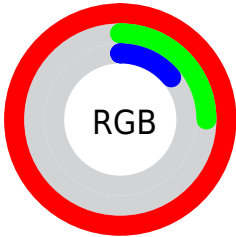
Format	Color
R_{YB}	254, 68, 36
Decimal	16662564
CIE _{Lab}	57.00, 69.50, 58.18
CIE _{LCh}	57, 90.639, 39.936
Yxy	24.9227, 0.5966, 0.3450
Android (android.graphics.Color)	4294852644 (0xFFFE4024)
YUV	117.6180, -40.2377, 119.6070
Hunter-Lab	49.9226, 66.7644, 29.9351

Details

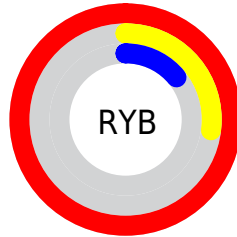
The CIELCh color **57, 90.639, 39.936** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **83, 42.962, 217.383**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 64.149, 43.339**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **55, 99.380, 41.077**, and if you desaturate by 10%, it is **60, 79.304, 38.093**.

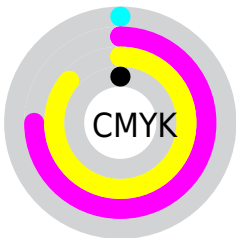
Distribution



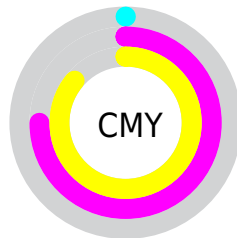
- Red (100%)
- Green (25%)
- Blue (14%)



- Red (100%)
- Yellow (27%)
- Blue (14%)



- Cyan (0%)
- Magenta (75%)
- Yellow (86%)
- Black (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 90.639, 39.936 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, 90.639, 39.936 by changing the saturation by 10% instead.

■ 57, 90.639, 39.936

■ 57, 90.639, 39.936

■ 100, 90.639,
39.936

■ 47, 90.639, 39.936

■ 77, 90.639, 39.936

■ 37, 90.639, 39.936

■ 87, 90.639, 39.936

■ 27, 90.639, 39.936

■ 97, 90.639, 39.936

■ 17, 90.639, 39.936

■ 7, 90.639, 39.936

■ 0, 90.639, 39.936

■ 57, 90.639, 39.936

■ 57, 90.639, 39.936

■ 55, 99.380, 41.077

■ 60, 79.304, 38.093

■ 54, 102.078,

■ 64, 67.207, 36.281

41.374

68, 55.187, 34.773

73, 43.639, 33.617

79, 32.762, 32.776

84, 22.640, 32.192

90, 13.285, 31.801

96, 4.667, 31.494

100, 0.282,
201.737

Harmonies

Complementary

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



57, 90.639, 39.936



83, 42.962, 217.383

Rectangle

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



57, 90.639, 39.936



57, 90.639, 89.936



57, 90.639, 219.936



57, 90.639, 269.936

Sweetspot

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



57, 90.636, 39.938



84, 22.913, 32.203



60, 102.531, 332.802



43, 15.760, 32.381



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, 90.636, 39.938



54, 102.329, 41.372



76, 76.679, 74.000



50, 4.674, 31.615



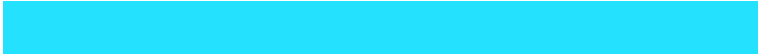
41, 82.067, 41.656



11, 31.028, 33.489

Inverse Universe

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



83, 42.962, 217.383



82, 43.824, 220.649



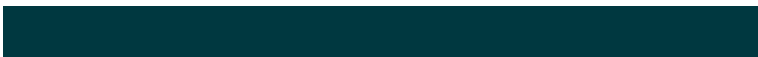
53, 77.617, 288.792



52, 4.393, 211.609



63, 35.331, 220.175



21, 16.386, 216.940

Previews

White Background



This preview shows how the CIELCh color 57, 90.639, 39.936 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, 90.639, 39.936 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, 90.639, 39.936

Background



This preview shows how black text looks on a background with the CIELCh color 57, 90.639, 39.936.



This preview shows how white text looks on a background with the CIELCh color 57, 90.639, 39.936.

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, 90.639, 39.936

Protanopia

57, 45.561, 95.350

Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 84.418, 32.214

Trichromacy



Original Color
57, 90.639, 39.936

Protanomaly
55, 53.746, 60.740

Deuteranomaly
55, 69.135, 61.122

Tritanomaly
57, 86.853, 35.388

Monochromacy



Original Color
57, 90.639, 39.936

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 32.580, 33.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 90.639, 39.936 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(254, 64, 36)` looks like.

```
.text, #text, p{  
    color:rgb(254, 64, 36)  
}
```

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(254, 64, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 64, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 90.639, 39.936 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(254, 64, 36) }
```

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

```
.border{ border-color:rgb(254, 64, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 64, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 64, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 64, 36);  
box-shadow:4px 4px 4px 4px rgb(254, 64,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 90.639, 39.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 64, 36) }
```

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

```
.background{ background-color: rgb(254, 64,  
36) }
```

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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