

Converting Colors

CIE LCh(54, 101.101, 38.502)

Have a look what the booklet for
CIELCh(54, 101.101, 38.502)
contains.

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Color

CIELCh(54, 100.785, 38.579)

Conversions

Conversions Part 1

Format	Color
Hex	FF1513
RGB	255, 21, 19
RGB Percent	100%, 8%, 7%
CMY	0.0000, 0.9184, 0.9269
CMYK	0.00, 0.92, 0.93, 0.00
HSL	1°, 100%, 54%
HSV	1°, 93%, 100%
XYZ	41.8925, 21.9746, 2.6337
YIQ	90.7380, 140.1060, 48.9860

Conversions

Conversions Part 2

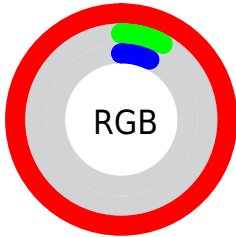
Format	Color
RYB	255, 21, 19
Decimal	16717075
CIELab	54.00, 78.79, 62.85
CIELCh	54, 100.785, 38.579
Yxy	21.9746, 0.6300, 0.3304
Android (android.graphics.Color)	4294907155 (0xFFFF1513)
YUV	90.7380, -35.3668, 144.0578
Hunter-Lab	46.8770, 77.4848, 29.4828

Details

The CIELCh color **54, 100.785, 38.579** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **91, 49.082, 197.762**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 74.026, 39.700**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 104.466, 40.064**, and if you desaturate by 10%, it is **55, 91.789, 35.473**.

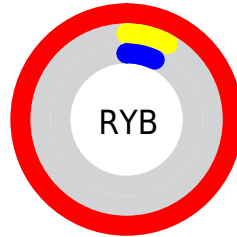
Distribution



Red (100%)

Green (8%)

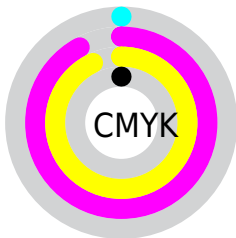
Blue (7%)



Red (100%)

Yellow (8%)

Blue (7%)

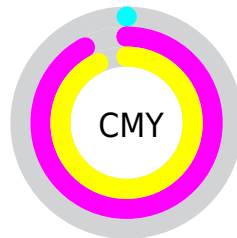


Cyan (0%)

Magenta (92%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (92%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 100.785, 38.579 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 54, 100.785, 38.579 by changing the saturation by 10% instead.


 54, 100.785,
38.579


 54, 100.785,
38.579


 100, 100.785,
38.579


 44, 100.785,
38.579


 74, 100.785,
38.579

 34, 100.785,
38.579

 84, 100.785,
38.579

 24, 100.785,
38.579

 94, 100.785,
38.579

 14, 100.785,
38.579

 4, 100.785, 38.579

 0, 100.785, 38.579

■ 54, 100.785,
38.579

■ 54, 100.785,
38.579

■ 53, 104.466,
40.064

■ 55, 91.789, 35.473

■ 58, 80.685, 31.988

■ 62, 68.663, 28.886

■ 67, 56.405, 26.377

■ 72, 44.344, 24.431

■ 78, 32.783, 22.946

■ 85, 21.899, 21.811

■ 91, 11.769, 20.928

■ 98, 2.397, 20.051

Harmonies

Complementary

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



54, 100.785, 38.579



91, 49.082, 197.762

Rectangle

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



54, 100.785, 38.579



54, 100.785, 88.579



54, 100.785, 218.579



54, 100.785, 268.579

Sweetspot

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



54, 100.535, 38.573



81, 27.588, 22.376



61, 114.213, 328.192



41, 19.359, 22.898



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54, 100.535, 38.573



53, 104.466, 40.064



69, 81.999, 61.917



50, 5.206, 20.680



40, 84.103, 40.092



10, 33.177, 27.620

Inverse Universe

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



91, 49.082, 197.762



90, 49.454, 197.834



57, 68.220, 281.691



52, 4.899, 199.759



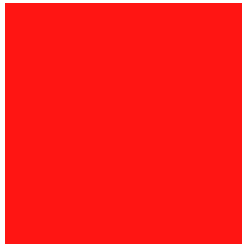
70, 39.841, 197.809



23, 18.357, 197.636

Previews

White Background



This preview shows how the CIELCh color 54, 100.785, 38.579 looks on a white background.

Color Contrast Check

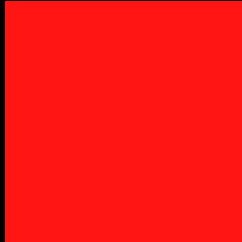
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 100.785, 38.579 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 54, 100.785, 38.579

Background



This preview shows how black text looks on a background with the CIELCh color 54, 100.785, 38.579.



This preview shows how white text looks on a background with the CIELCh color 54, 100.785, 38.579.

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

54, 100.452, 38.530

Protanopia

54, 48.149, 95.734

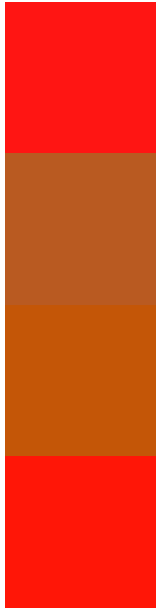
Deuteranopia

54, 60.115, 84.041



Tritanopia
54, 103.356, 40.728

Trichromacy



Original Color
54, 100.452, 38.530

Protanomaly
49, 59.449, 54.132

Deuteranomaly
50, 70.752, 54.885

Tritanomaly
54, 102.305, 40.000

Monochromacy



Original Color
54, 100.452, 38.530

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 40.317, 26.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 100.785, 38.579 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, 21, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 19)  
}
```

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, 21, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 100.785, 38.579 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, 21, 19) }
```

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

```
.border{ border-color:rgb(255, 21, 19) }
```

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

Here you see how a box with a 4 pixel rgb(255, 21, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 100.785, 38.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 19) }
```

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

```
.background{ background-color: rgb(255, 21,  
19) }
```

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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