

Converting Colors

CIELCh(54, 99.482, 37.996)

Have a look what the booklet for
CIELCh(54, 99.482, 37.996) contains.

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Color

CIELCh(54, 99.487, 38.006)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF1717 |
| RGB | 255, 23, 23 |
| RGB Percent | 100%, 9%, 9% |
| CMY | 0.0000, 0.9084, 0.9094 |
| CMYK | 0.00, 0.91, 0.91, 0.00 |
| HSL | 0°, 100%, 55% |
| HSV | 0°, 91%, 100% |
| XYZ | 41.7611, 21.9746, 2.8570 |
| YIQ | 92.3680, 138.2720, 49.1840 |

Conversions

Conversions Part 2

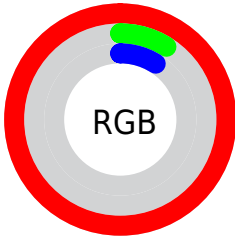
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 23, 23 |
| Decimal | 16717591 |
| CIE _{Lab} | 54.00, 78.39, 61.26 |
| CIE _{LCh} | 54, 99.487, 38.006 |
| Yxy | 21.9746, 0.6271, 0.3300 |
| Android (android.graphics.Color) | 4294907671 (0xFFFF1717) |
| YUV | 92.3680, -34.1984, 142.6283 |
| Hunter-Lab | 46.8770, 76.9846, 29.2004 |

Details

The CIELCh color **54, 99.487, 38.006** 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, 49.481, 196.563**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 72.937, 39.040**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 104.564, 40.007**, and if you desaturate by 10%, it is **56, 90.211, 34.639**.

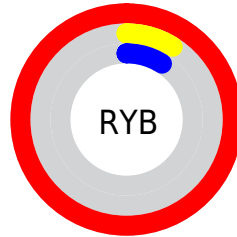
Distribution



Red (100%)

Green (9%)

Blue (9%)



Red (100%)

Yellow (9%)

Blue (9%)

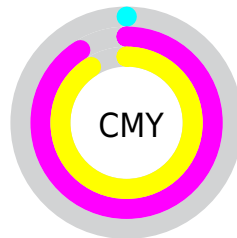


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (91%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 99.487, 38.006 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, 99.487, 38.006 by changing the saturation by 10% instead.

■ 54, 99.487, 38.006

■ 54, 99.487, 38.006

■ 100, 99.487,
38.006

■ 44, 99.487, 38.006

■ 74, 99.487, 38.006

■ 34, 99.487, 38.006

■ 84, 99.487, 38.006

■ 24, 99.487, 38.006

■ 94, 99.487, 38.006

■ 14, 99.487, 38.006

■ 4, 99.487, 38.006

■ 0, 99.487, 38.006

■ 54, 99.487, 38.006

■ 54, 99.487, 38.006

■ 53, 104.564,
40.007

■ 56, 90.211, 34.639

■ 59, 78.945, 31.079

63, 66.872, 27.985

68, 54.608, 25.510

73, 42.572, 23.598

79, 31.054, 22.138

86, 20.225, 21.019

92, 10.153, 20.138

99, 0.836, 18.755

Harmonies

Complementary

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



54, 99.487, 38.006



91, 49.481, 196.563

Rectangle

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



54, 99.487, 38.006



54, 99.487, 88.006



54, 99.487, 218.006



54, 99.487, 268.006

Sweetspot

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



54, 99.435, 38.006



82, 26.704, 21.662



61, 113.729, 328.178



41, 18.228, 22.072



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, 99.435, 38.006



53, 104.564, 40.007



69, 80.961, 62.381



49, 5.249, 20.023



40, 84.216, 40.010



10, 33.346, 27.225

Inverse Universe

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



91, 49.481, 196.563



91, 50.042, 196.543



58, 66.939, 280.878



52, 4.940, 199.049



70, 40.307, 196.540



24, 18.546, 196.522

Previews

White Background



This preview shows how the CIELCh color 54, 99.487, 38.006 looks on a white background.

Color Contrast Check

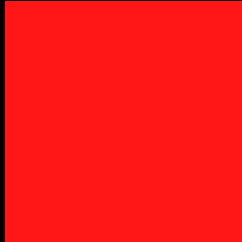
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.487, 38.006 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, 99.487, 38.006

Background



This preview shows how black text looks on a background with the CIELCh color 54, 99.487, 38.006.



This preview shows how white text looks on a background with the CIELCh color 54, 99.487, 38.006.

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, 99.487, 38.006

Protanopia

54, 46.457, 95.660

Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 101.427, 39.592

Trichromacy



Original Color
54, 99.487, 38.006

Protanomaly
49, 57.962, 53.537

Deuteranomaly
50, 70.767, 54.984

Tritanomaly
54, 100.770, 39.108

Monochromacy



Original Color
54, 99.487, 38.006

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 39.176, 26.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 99.487, 38.006 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, 23, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 23)  
}
```

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, 23, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 99.487, 38.006 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, 23, 23) }
```

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

```
.border{ border-color:rgb(255, 23, 23) }
```

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

Here you see how a box with a 4 pixel rgb(255, 23, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 99.487, 38.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 23) }
```

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

```
.background{ background-color: rgb(255, 23,  
23) }
```

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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