

Converting Colors

CIELCh(54, 99.782, 37.058)

Have a look what the booklet for
CIELCh(54, 99.782, 37.058) contains.

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Color

CIELCh(54, 99.379, 37.099)

Conversions

Conversions Part 1

Format	Color
Hex	FF121B
RGB	255, 18, 27
RGB Percent	100%, 7%, 11%
CMY	0.0000, 0.9294, 0.8949
CMYK	0.00, 0.93, 0.89, 0.00
HSL	358°, 100%, 54%
HSV	358°, 93%, 100%
XYZ	42.0497, 21.9746, 3.0507
YIQ	89.8890, 138.3630, 53.0430

Conversions

Conversions Part 2

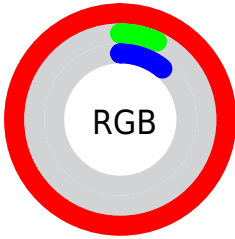
Format	Color
R_{YB}	255, 18, 27
Decimal	16716315
CIE _{Lab}	54.00, 79.26, 59.94
CIE _{LCh}	54, 99.379, 37.099
Yxy	21.9746, 0.6269, 0.3276
Android (android.graphics.Color)	4294906395 (0xFFFF121B)
YUV	89.8890, -31.0043, 144.8023
Hunter-Lab	46.8770, 78.0837, 28.9554

Details

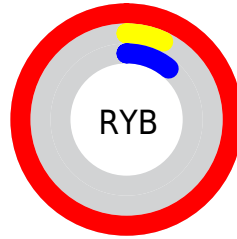
The CIELCh color **54, 99.379, 37.099** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **91, 51.139, 191.100**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 72.312, 37.689**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 103.148, 38.991**, and if you desaturate by 10%, it is **55, 90.265, 33.234**.

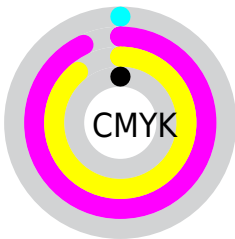
Distribution



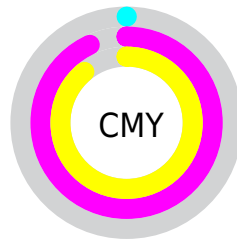
- Red (100%)
- Green (7%)
- Blue (11%)



- Red (100%)
- Yellow (7%)
- Blue (11%)



- Cyan (0%)
- Magenta (93%)
- Yellow (89%)
- Black (0%)



- Cyan (0%)
- Magenta (93%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 99.379, 37.099 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, 99.379, 37.099 by changing the saturation by 10% instead.

 54, 99.379, 37.099

 54, 99.379, 37.099

 100, 99.379,
37.099

 44, 99.379, 37.099

 74, 99.379, 37.099

 34, 99.379, 37.099

 84, 99.379, 37.099

 24, 99.379, 37.099

 94, 99.379, 37.099


 14, 99.379, 37.099

 4, 99.379, 37.099

 0, 99.379, 37.099

 54, 99.379, 37.099

 54, 99.379, 37.099

 53, 103.148,
38.991

 55, 90.265, 33.234

 58, 79.680, 29.326

62, 68.206, 25.956

67, 56.364, 23.252

72, 44.567, 21.146

78, 33.139, 19.518

85, 22.288, 18.251

91, 12.119, 17.241

98, 2.656, 16.267

Harmonies

Complementary

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



54, 99.379, 37.099



91, 51.139, 191.100

Rectangle

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



54, 99.379, 37.099



54, 99.379, 87.099



54, 99.379, 217.099



54, 99.379, 267.099

Sweetspot

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



54, 99.012, 37.076



81, 27.692, 18.853



59, 114.491, 326.311



41, 19.403, 19.429



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, 99.012, 37.076



53, 103.148, 38.991



66, 83.706, 57.779



49, 5.255, 16.932



40, 82.619, 38.570



10, 33.064, 25.687

Inverse Universe

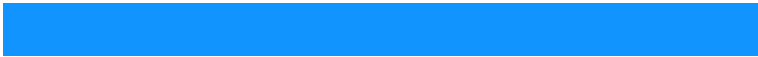
The Inverse Universe completely reimagines the original color for something new.



54, 99.012, 37.076



53, 103.148, 38.991



60, 62.049, 276.310



49, 5.255, 16.932



40, 82.619, 38.570



10, 33.064, 25.687

Previews

White Background



This preview shows how the CIELCh color 54, 99.379, 37.099 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, 99.379, 37.099 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, 99.379, 37.099

Background



This preview shows how black text looks on a background with the CIELCh color 54, 99.379, 37.099.



This preview shows how white text looks on a background with the CIELCh color 54, 99.379, 37.099.

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, 98.968, 37.041

Protanopia

54, 44.601, 96.159

Deuteranopia

54, 60.115, 84.041



Tritanopia
54, 103.275, 40.778

Trichromacy



Original Color

54, 98.968, 37.041



Protanomaly

49, 56.493, 51.411



Deuteranomaly

50, 70.420, 54.170



Tritanomaly

54, 101.956, 39.647

Monochromacy



Original Color

54, 98.968, 37.041



Achromatopsia

38, 0.005, 296.813



Achromatomaly

39, 39.868, 24.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 99.379, 37.099 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, 18, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 27)  
}
```

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, 18, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 99.379, 37.099 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, 18, 27) }
```

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

```
.border{ border-color:rgb(255, 18, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 18, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 99.379, 37.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 27) }
```

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

```
.background{ background-color: rgb(255, 18,  
27) }
```

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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