

Converting Colors

CIELCh(54, 99.241, 36.635)

Have a look what the booklet for
CIELCh(54, 99.241, 36.635) contains.

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Color

CIELCh(54, 98.691, 36.526)

Conversions

Conversions Part 1

Format	Color
Hex	FF121E
RGB	255, 18, 30
RGB Percent	100%, 7%, 12%
CMY	0.0000, 0.9300, 0.8833
CMYK	0.00, 0.93, 0.88, 0.00
HSL	357°, 100%, 54%
HSV	357°, 93%, 100%
XYZ	42.0639, 21.9746, 3.2359
YIQ	90.2310, 137.4000, 53.9760

Conversions

Conversions Part 2

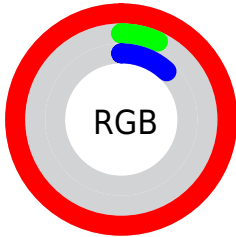
Format	Color
R _Y B	255, 18, 30
Decimal	16716318
CIE Lab	54.00, 79.31, 58.74
CIE LCh	54, 98.691, 36.526
Yxy	21.9746, 0.6253, 0.3266
Android (android.graphics.Color)	4294906398 (0xFFFF121E)
YUV	90.2310, -29.6939, 144.5024
Hunter-Lab	46.8770, 78.1374, 28.7212

Details

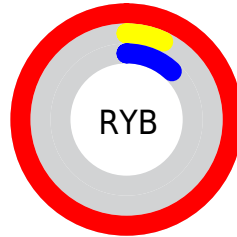
The CIELCh color **54, 98.691, 36.526** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **91, 51.722, 189.324**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 71.483, 36.628**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 102.659, 38.632**, and if you desaturate by 10%, it is **55, 89.611, 32.470**.

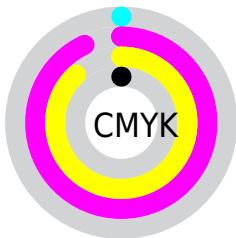
Distribution



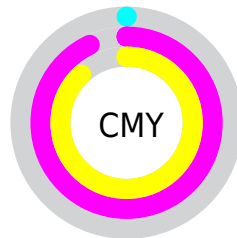
- Red (100%)
- Green (7%)
- Blue (12%)



- Red (100%)
- Yellow (7%)
- Blue (12%)



- Cyan (0%)
- Magenta (93%)
- Yellow (88%)
- Black (0%)



- Cyan (0%)
- Magenta (93%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 98.691, 36.526 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, 98.691, 36.526 by changing the saturation by 10% instead.

 54, 98.691, 36.526

 54, 98.691, 36.526

 100, 98.691,
36.526

 44, 98.691, 36.526

 74, 98.691, 36.526

 34, 98.691, 36.526

 84, 98.691, 36.526

 24, 98.691, 36.526

 94, 98.691, 36.526


 14, 98.691, 36.526

 4, 98.691, 36.526

 0, 98.691, 36.526

 54, 98.691, 36.526

 54, 98.691, 36.526

 53, 102.659,
38.632

 55, 89.611, 32.470

 58, 79.195, 28.476

62, 67.898, 25.061

67, 56.199, 22.327

72, 44.506, 20.196

78, 33.145, 18.542

85, 22.331, 17.248

91, 12.175, 16.211

98, 2.707, 15.214

Harmonies

Complementary

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



54, 98.691, 36.526



91, 51.722, 189.324

Rectangle

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



54, 98.691, 36.526



54, 98.691, 86.526



54, 98.691, 216.526



54, 98.691, 266.526

Sweetspot

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



54, 98.340, 36.500



81, 27.664, 17.857



58, 114.610, 325.691



41, 19.374, 18.444



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, 98.340, 36.500



53, 102.659, 38.632



66, 84.349, 56.483



49, 5.258, 15.888



40, 82.115, 38.100



10, 32.963, 25.164

Inverse Universe

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



54, 98.340, 36.500



53, 102.659, 38.632



62, 60.096, 274.295



49, 5.258, 15.888



40, 82.115, 38.100



10, 32.963, 25.164

Previews

White Background



This preview shows how the CIELCh color 54, 98.691, 36.526 looks on a white background.

Color Contrast Check

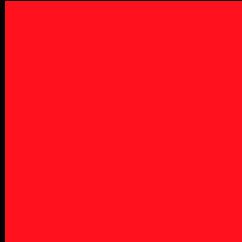
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.691, 36.526 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, 98.691, 36.526

Background



This preview shows how black text looks on a background with the CIELCh color 54, 98.691, 36.526.



This preview shows how white text looks on a background with the CIELCh color 54, 98.691, 36.526.

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, 98.270, 36.456

Protanopia

54, 43.222, 96.084

Deuteranopia

54, 60.115, 84.041



Tritanopia
54, 103.356, 40.728

Trichromacy



Original Color
54, 98.270, 36.456



Protanomaly
49, 55.446, 50.375



Deuteranomaly
50, 70.246, 54.056



Tritanomaly
54, 101.887, 39.496

Monochromacy



Original Color
54, 98.270, 36.456



Achromatopsia
38, 0.005, 296.813



Achromatomaly
39, 39.711, 23.165

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 54, 98.691, 36.526 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 98.691, 36.526 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, 30) }
```

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

```
.border{ border-color:rgb(255, 18, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 30);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 98.691, 36.526 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, 30) }
```

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

```
.background{ background-color: rgb(255, 18,  
30) }
```

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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