

Converting Colors

CIELCh(54, 100.796, 38.575)

Have a look what the booklet for
CIELCh(54, 100.796, 38.575)
contains.

CIELCh(54, 100.452, 38.530)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(54, 100.452, 38.530)

Conversions

Conversions Part 1

Format	Color
Hex	FF1613
RGB	255, 22, 19
RGB Percent	100%, 9%, 7%
CMY	0.0000, 0.9134, 0.9239
CMYK	0.00, 0.91, 0.92, 0.00
HSL	1°, 100%, 54%
HSV	1°, 92%, 100%
XYZ	41.8242, 21.9746, 2.6715
YIQ	91.3250, 139.8310, 48.4630

Conversions

Conversions Part 2

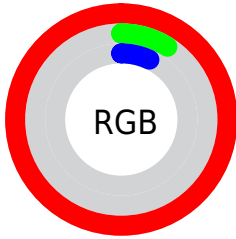
Format	Color
R_{YB}	255, 22, 19
Decimal	16717331
CIE _{Lab}	54.00, 78.58, 62.57
CIE _{LCh}	54, 100.452, 38.530
Yxy	21.9746, 0.6292, 0.3306
Android (android.graphics.Color)	4294907411 (0xFFFF1613)
YUV	91.3250, -35.6562, 143.5430
Hunter-Lab	46.8770, 77.2249, 29.4351

Details

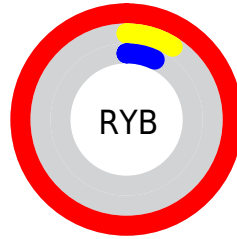
The CIELCh color **54, 100.452, 38.530** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **90, 48.909, 198.104**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 73.807, 40.024**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 104.439, 40.080**, and if you desaturate by 10%, it is **56, 91.411, 35.427**.

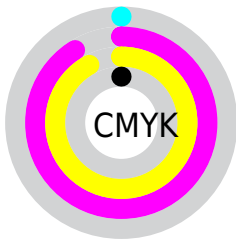
Distribution



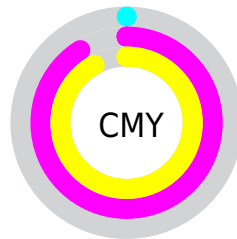
- Red (100%)
- Green (9%)
- Blue (7%)



- Red (100%)
- Yellow (9%)
- Blue (7%)



- Cyan (0%)
- Magenta (91%)
- Yellow (92%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 100.452, 38.530 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, 100.452, 38.530 by changing the saturation by 10% instead.


 54, 100.452,
38.530


 54, 100.452,
38.530


 100, 100.452,
38.530


 44, 100.452,
38.530


 74, 100.452,
38.530

 34, 100.452,
38.530

 84, 100.452,
38.530

 24, 100.452,
38.530

 94, 100.452,
38.530

 14, 100.452,
38.530

 4, 100.452, 38.530

 0, 100.452, 38.530

■ 54, 100.452,
38.530

■ 54, 100.452,
38.530

■ 53, 104.439,
40.080

■ 56, 91.411, 35.427

■ 58, 80.244, 31.977

■ 62, 68.199, 28.918

■ 67, 55.943, 26.448

■ 73, 43.905, 24.534

■ 79, 32.379, 23.073

■ 85, 21.538, 21.958

■ 92, 11.452, 21.090

■ 98, 2.123, 20.191

Harmonies

Complementary

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



54, 100.452, 38.530



90, 48.909, 198.104

Rectangle

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



54, 100.452, 38.530



54, 100.452, 88.530



54, 100.452, 218.530



54, 100.452, 268.530

Sweetspot

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



54, 100.290, 38.527



81, 27.529, 22.547



61, 114.136, 328.190



41, 19.319, 23.063



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, 100.290, 38.527



53, 104.439, 40.080



69, 81.829, 61.998



50, 5.194, 20.868



40, 84.071, 40.115



10, 33.130, 27.732

Inverse Universe

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



90, 48.909, 198.104



90, 49.292, 198.205



57, 68.001, 281.552



52, 4.888, 199.961



70, 39.713, 198.173



23, 18.305, 197.955

Previews

White Background



This preview shows how the CIELCh color 54, 100.452, 38.530 looks on a white background.

Color Contrast Check

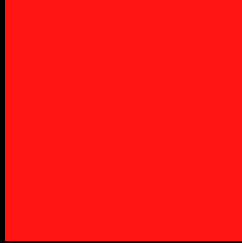
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.452, 38.530 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, 100.452, 38.530

Background



This preview shows how black text looks on a background with the CIELCh color 54, 100.452, 38.530.



This preview shows how white text looks on a background with the CIELCh color 54, 100.452, 38.530.

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, 100.376, 38.582

Protanopia

54, 48.149, 95.734

Deuteranopia

54, 60.115, 84.041



Tritanopia
54, 102.225, 40.051

Trichromacy



Original Color
54, 100.376, 38.582



Protanomaly
49, 59.300, 54.647



Deuteranomaly
50, 70.752, 54.885



Tritanomaly
54, 101.509, 39.538

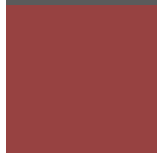
Monochromacy



Original Color
54, 100.376, 38.582



Achromatopsia
39, 0.005, 296.813



Achromatomaly
39, 39.976, 27.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 100.452, 38.530 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, 22, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 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, 22, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 100.452, 38.530 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, 22, 19) }
```

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

```
.border{ border-color:rgb(255, 22, 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, 22, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 100.452, 38.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 22, 19) }
```

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

```
.background{ background-color: rgb(255, 22,  
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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