

Converting Colors

CIELCh(54, 102.417, 39.618)

Have a look what the booklet for
CIELCh(54, 102.417, 39.618)
contains.

CIELCh(54, 102.030, 39.599)	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, 102.030, 39.599)

Conversions

Conversions Part 1

Format	Color
Hex	FF160B
RGB	255, 22, 11
RGB Percent	100%, 9%, 4%
CMY	0.0000, 0.9152, 0.9578
CMYK	0.00, 0.92, 0.96, 0.00
HSL	3°, 100%, 52%
HSV	3°, 96%, 100%
XYZ	41.8357, 21.9746, 2.3463
YIQ	90.4130, 142.3990, 45.9750

Conversions

Conversions Part 2

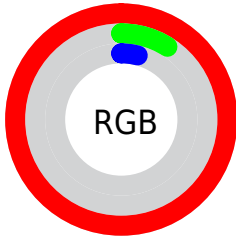
Format	Color
R_{YB}	255, 23, 11
Decimal	16717323
CIE _{Lab}	54.00, 78.62, 65.03
CIE _{LCh}	54, 102.030, 39.599
Yxy	21.9746, 0.6324, 0.3322
Android (android.graphics.Color)	4294907403 (0xFFFF160B)
YUV	90.4130, -39.1506, 144.3428
Hunter-Lab	46.8770, 77.2686, 29.8464

Details

The CIELCh color **54, 102.030, 39.599** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **88, 47.045, 203.564**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 75.284, 41.579**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 104.043, 40.313**, and if you desaturate by 10%, it is **55, 93.831, 37.339**.

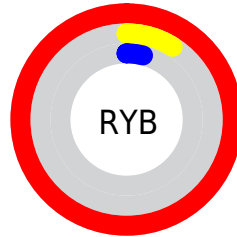
Distribution



Red (100%)

Green (9%)

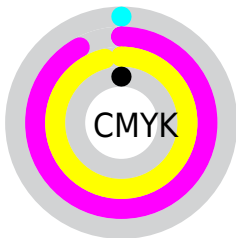
Blue (4%)



Red (100%)

Yellow (9%)

Blue (4%)

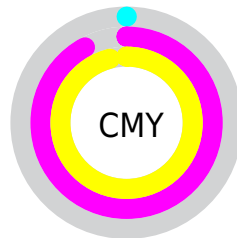


Cyan (0%)

Magenta (92%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (92%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 102.030, 39.599 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, 102.030, 39.599 by changing the saturation by 10% instead.


 54, 102.030,
39.599


 54, 102.030,
39.599


 100, 102.030,
39.599


 44, 102.030,
39.599


 74, 102.030,
39.599

 34, 102.030,
39.599

 84, 102.030,
39.599

 24, 102.030,
39.599

 94, 102.030,
39.599

 14, 102.030,
39.599

 4, 102.030, 39.599

 0, 102.030, 39.599

■ 54, 102.030,
39.599

■ 54, 102.030,
39.599

■ 54, 104.043,
40.313

■ 55, 93.831, 37.339

■ 58, 82.914, 34.341

■ 62, 70.911, 31.513

■ 66, 58.674, 29.168

■ 71, 46.664, 27.332

■ 77, 35.173, 25.934

■ 83, 24.368, 24.881

■ 90, 14.320, 24.082

■ 96, 5.033, 23.416

Harmonies

Complementary

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



54, 102.030, 39.599



88, 47.045, 203.564

Rectangle

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



54, 102.030, 39.599



54, 102.030, 89.599



54, 102.030, 219.599



54, 102.030, 269.599

Sweetspot

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



54, 101.799, 39.599



81, 27.771, 25.188



60, 111.948, 329.556



41, 19.377, 25.641



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, 101.799, 39.599



54, 104.043, 40.313



70, 82.662, 63.878



50, 5.030, 23.666



40, 83.620, 40.448



10, 32.476, 29.347

Inverse Universe

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



88, 47.045, 203.564



88, 47.154, 203.855



54, 75.239, 286.267



52, 4.730, 202.988



68, 38.016, 203.719



23, 17.606, 202.785

Previews

White Background



This preview shows how the CIELCh color 54, 102.030, 39.599 looks on a white background.

Color Contrast Check

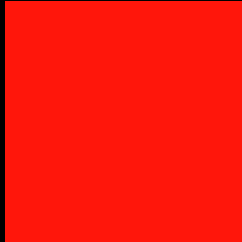
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.030, 39.599 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, 102.030, 39.599

Background



This preview shows how black text looks on a background with the CIELCh color 54, 102.030, 39.599.



This preview shows how white text looks on a background with the CIELCh color 54, 102.030, 39.599.

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, 101.737, 39.594

Protanopia

54, 50.514, 95.811

Deuteranopia

54, 60.115, 84.041



Tritanopia
54, 103.356, 40.728

Trichromacy



Original Color
54, 101.737, 39.594

Protanomaly
49, 61.487, 56.307

Deuteranomaly
50, 71.284, 55.218

Tritanomaly
54, 102.745, 40.308

Monochromacy



Original Color
54, 101.737, 39.594

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 40.687, 29.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 102.030, 39.599 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 102.030, 39.599 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, 11) }
```

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

```
.border{ border-color:rgb(255, 22, 11) }
```

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, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 102.030, 39.599 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, 11) }
```

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

```
.background{ background-color: rgb(255, 22,  
11) }
```

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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