

Converting Colors

CIELCh(54, 102.450, 40.102)

Have a look what the booklet for
CIELCh(54, 102.450, 40.102)
contains.

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Color

CIELCh(54, 102.370, 40.153)

Conversions

Conversions Part 1

Format	Color
Hex	FF1806
RGB	255, 24, 6
RGB Percent	100%, 9%, 2%
CMY	0.0000, 0.9070, 0.9751
CMYK	0.00, 0.91, 0.98, 0.00
HSL	4°, 100%, 51%
HSV	4°, 98%, 100%
XYZ	41.7128, 21.9746, 2.2249
YIQ	91.0170, 143.4540, 43.3740

Conversions

Conversions Part 2

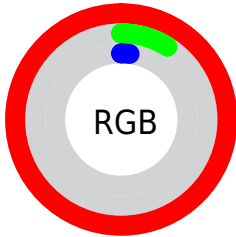
Format	Color
RYB	255, 25, 6
Decimal	16717830
CIELab	54.00, 78.24, 66.01
CIELCh	54, 102.370, 40.153
Yxy	21.9746, 0.6329, 0.3334
Android (android.graphics.Color)	4294907910 (0xFFFF1806)
YUV	91.0170, -41.9134, 143.8131
Hunter-Lab	46.8770, 76.8009, 29.9998

Details

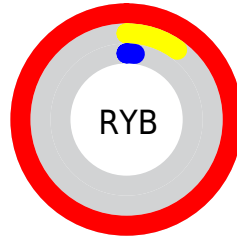
The CIELCh color **54, 102.370, 40.153** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **86, 45.753, 208.291**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 75.881, 42.172**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 103.663, 40.541**, and if you desaturate by 10%, it is **56, 94.727, 38.443**.

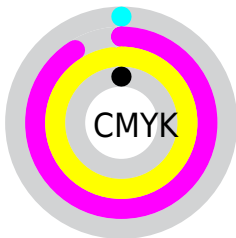
Distribution



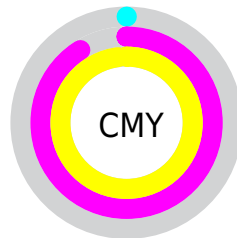
- Red (100%)
- Green (9%)
- Blue (2%)



- Red (100%)
- Yellow (10%)
- Blue (2%)



- Cyan (0%)
- Magenta (91%)
- Yellow (98%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 102.370, 40.153 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, 102.370, 40.153 by changing the saturation by 10% instead.


 54, 102.370,
40.153


 54, 102.370,
40.153


 100, 102.370,
40.153


 44, 102.370,
40.153


 74, 102.370,
40.153

 34, 102.370,
40.153

 84, 102.370,
40.153

 24, 102.370,
40.153

 94, 102.370,
40.153

 14, 102.370,
40.153

 4, 102.370, 40.153

 0, 102.370, 40.153

■ 54, 102.370,
40.153

■ 54, 102.370,
40.153

■ 54, 103.663,
40.541

■ 56, 94.727, 38.443

■ 58, 83.947, 35.840

■ 62, 71.955, 33.265

■ 66, 59.731, 31.091

■ 71, 47.764, 29.381

■ 77, 36.338, 28.082

■ 83, 25.611, 27.114

■ 89, 15.646, 26.396

■ 95, 6.441, 25.830

Harmonies

Complementary

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



54, 102.370, 40.153



86, 45.753, 208.291

Rectangle

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



54, 102.370, 40.153



54, 102.370, 90.153



54, 102.370, 220.153



54, 102.370, 270.153

Sweetspot

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



54, 102.262, 40.155



82, 27.157, 27.240



60, 109.289, 331.056



41, 18.956, 27.635



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, 102.262, 40.155



54, 103.663, 40.541



71, 82.602, 66.314



50, 4.913, 25.940



40, 83.256, 40.722



10, 32.007, 30.593

Inverse Universe

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



86, 45.753, 208.291



86, 45.799, 208.583



51, 81.706, 289.807



52, 4.618, 205.452



66, 36.935, 208.354



22, 17.145, 206.787

Previews

White Background



This preview shows how the CIELCh color 54, 102.370, 40.153 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 CIE LCh color 54, 102.370, 40.153 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, 102.370, 40.153

Background



This preview shows how black text looks on a background with the CIELCh color 54, 102.370, 40.153.



This preview shows how white text looks on a background with the CIELCh color 54, 102.370, 40.153.

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, 102.287, 40.206

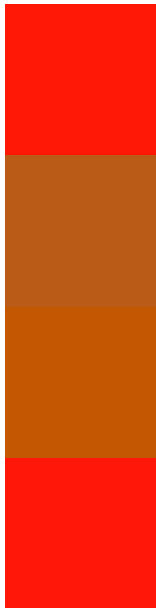
Protanopia
54, 51.331, 95.303

Deuteranopia
54, 60.115, 84.041



Tritanopia
54, 101.718, 39.801

Trichromacy



Original Color
54, 102.287, 40.206

Protanomaly
49, 62.725, 56.693

Deuteranomaly
50, 71.463, 55.819

Tritanomaly
54, 101.858, 39.902

Monochromacy



Original Color
54, 102.287, 40.206

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 40.749, 31.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 102.370, 40.153 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, 24, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 6)  
}
```

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, 24, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 102.370, 40.153 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, 24, 6) }
```

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

```
.border{ border-color:rgb(255, 24, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 24, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 24, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 102.370, 40.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 6) }
```

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

```
.background{ background-color: rgb(255, 24,  
6) }
```

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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