

Converting Colors

CIELCh(54, 103.198, 40.825)

Have a look what the booklet for
CIELCh(54, 103.198, 40.825)
contains.

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Color

CIELCh(54, 103.191, 40.830)

Conversions

Conversions Part 1

Format	Color
Hex	FF1800
RGB	255, 24, 0
RGB Percent	100%, 9%, 0%
CMY	0.0000, 0.9040, 0.9992
CMYK	0.00, 0.90, 1.00, 0.00
HSL	6°, 100%, 50%
HSV	6°, 100%, 100%
XYZ	41.6588, 21.9746, 2.0518
YIQ	90.3330, 145.3800, 41.5080

Conversions

Conversions Part 2

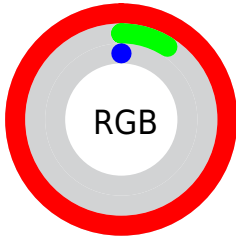
Format	Color
RYB	255, 26, 0
Decimal	16717824
CIELab	54.00, 78.08, 67.47
CIELCh	54, 103.191, 40.830
Yxy	21.9746, 0.6342, 0.3345
Android (android.graphics.Color)	4294907904 (0xFFFF1800)
YUV	90.3330, -44.5342, 144.4130
Hunter-Lab	46.8770, 76.5950, 30.2188

Details

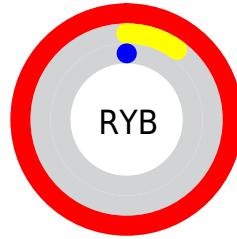
The CIELCh color **54, 103.191, 40.830** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **84, 44.729, 213.613**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 77.081, 43.307**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 103.166, 40.846**, and if you desaturate by 10%, it is **55, 96.133, 39.603**.

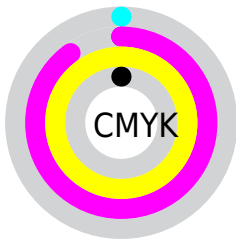
Distribution



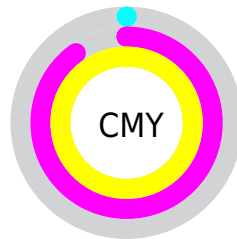
- Red (100%)
- Green (9%)
- Blue (0%)



- Red (100%)
- Yellow (10%)
- Blue (0%)



- Cyan (0%)
- Magenta (90%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (90%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 103.191, 40.830 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, 103.191, 40.830 by changing the saturation by 10% instead.


 54, 103.191,
40.830


 54, 103.191,
40.830


 100, 103.191,
40.830


 44, 103.191,
40.830


 74, 103.191,
40.830

 34, 103.191,
40.830

 84, 103.191,
40.830

 24, 103.191,
40.830

 94, 103.191,
40.830

 14, 103.191,
40.830

 4, 103.191, 40.830

 0, 103.191, 40.830

■ 54, 103.191,
40.830

■ 54, 103.191,
40.830

■ 54, 103.166,
40.846

■ 55, 96.133, 39.603

■ 58, 85.720, 37.466

■ 61, 73.816, 35.160

■ 66, 61.607, 33.152

■ 71, 49.648, 31.556

■ 76, 38.235, 30.346

■ 82, 27.524, 29.458

■ 88, 17.578, 28.816

■ 94, 8.395, 28.342

Harmonies

Complementary

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



54, 103.191, 40.830



84, 44.729, 213.613

Rectangle

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



54, 103.191, 40.830



54, 103.191, 90.830



54, 103.191, 220.830



54, 103.191, 270.830

Sweetspot

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



54, 103.117, 40.833



82, 27.609, 29.464



59, 108.105, 331.929



41, 19.163, 29.805



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, 103.117, 40.833



54, 103.166, 40.846



71, 83.169, 67.134



50, 4.804, 28.324



40, 82.803, 41.070



11, 31.566, 31.844

Inverse Universe

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



84, 44.729, 213.613



84, 44.731, 213.627



49, 86.516, 292.024



52, 4.514, 208.038



65, 36.076, 213.296



21, 16.761, 211.035

Previews

White Background



This preview shows how the CIELCh color 54, 103.191, 40.830 looks on a white background.

Color Contrast Check

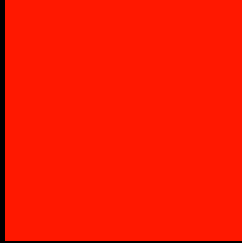
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.191, 40.830 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, 103.191, 40.830

Background



This preview shows how black text looks on a background with the CIELCh color 54, 103.191, 40.830.



This preview shows how white text looks on a background with the CIELCh color 54, 103.191, 40.830.

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, 103.191, 40.830

Protanopia

54, 51.689, 95.314

Tritanopia

54, 101.427, 39.592

Trichromacy



Original Color
54, 103.191, 40.830

Protanomaly
50, 63.379, 57.710

Tritanomaly
54, 101.999, 40.002

Monochromacy



Original Color
54, 103.191, 40.830

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 41.250, 33.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 103.191, 40.830 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 103.191, 40.830 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, 0) }
```

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

```
.border{ border-color:rgb(255, 24, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 24, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 103.191, 40.830 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, 0) }
```

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

```
.background{ background-color: rgb(255, 24,  
0) }
```

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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