

Converting Colors

CIELCh(51, 100.067, 39.035)

Have a look what the booklet for
CIELCh(51, 100.067, 39.035)
contains.

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Color

CIELCh(51, 99.849, 39.058)

Conversions

Conversions Part 1

Format	Color
Hex	F40008
RGB	244, 0, 8
RGB Percent	96%, 0%, 3%
CMY	0.0429, 0.9988, 0.9683
CMYK	0.00, 1.00, 0.97, 0.04
HSL	358°, 100%, 48%
HSV	358°, 100%, 96%
XYZ	37.3796, 19.2686, 1.9809
YIQ	73.8680, 142.8560, 54.2160

Conversions

Conversions Part 2

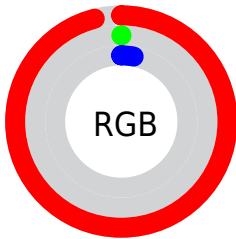
Format	Color
RYB	244, 0, 8
Decimal	15990792
CIELab	51.00, 77.53, 62.92
CIELCh	51, 99.849, 39.058
Yxy	19.2686, 0.6376, 0.3287
Android (android.graphics.Color)	4294180872 (0xFFFF40008)
YUV	73.8680, -32.4729, 149.2058
Hunter-Lab	43.8960, 75.1832, 28.0516

Details

The CIELCh color **51, 99.849, 39.058** 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 **87, 49.731, 191.535**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 77.864, 40.042**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **51, 99.905, 39.084**, and if you desaturate by 10%, it is **52, 93.590, 36.158**.

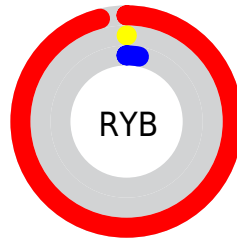
Distribution



Red (96%)

Green (0%)

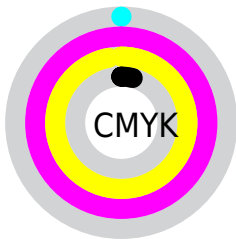
Blue (3%)



Red (96%)

Yellow (0%)

Blue (3%)

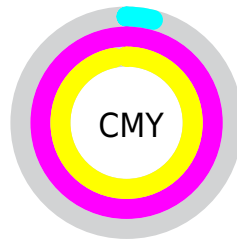


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (4%)



Cyan (4%)

Magenta (100%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 99.849, 39.058 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 51, 99.849, 39.058 by changing the saturation by 10% instead.

 51, 99.849, 39.058

 51, 99.849, 39.058

 100, 99.849,
39.058

 41, 99.849, 39.058

 71, 99.849, 39.058

 31, 99.849, 39.058

 81, 99.849, 39.058

 21, 99.849, 39.058

 91, 99.849, 39.058

 11, 99.849, 39.058

 1, 99.849, 39.058

 0, 99.849, 39.058

 51, 99.849, 39.058

 51, 99.849, 39.058

 51, 99.905, 39.084

 52, 93.590, 36.158

 54, 84.388, 32.258

■ 57, 73.758, 28.527

■ 61, 62.455, 25.394

■ 66, 50.947, 22.910

■ 71, 39.608, 20.984

■ 77, 28.713, 19.495

■ 83, 18.426, 18.333

■ 90, 8.819, 17.394

Harmonies

Complementary

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



51, 99.849, 39.058



87, 49.731, 191.535

Rectangle

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



51, 99.849, 39.058



51, 99.849, 89.058



51, 99.849, 219.058



51, 99.849, 269.058

Sweetspot

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



51, 99.845, 39.060



80, 29.895, 19.521



56, 111.954, 326.899



40, 20.691, 20.107



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 99.845, 39.060



53, 103.343, 39.132



63, 83.986, 57.248



48, 5.080, 17.360



39, 81.140, 38.728



8, 30.822, 23.734

Inverse Universe

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



51, 99.845, 39.060



53, 103.343, 39.132



55, 66.317, 281.426



48, 5.080, 17.360



39, 81.140, 38.728



8, 30.822, 23.734

Previews

White Background



This preview shows how the CIELCh color 51, 99.849, 39.058 looks on a white background.

Color Contrast Check

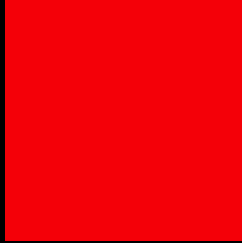
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 99.849, 39.058 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 51, 99.849, 39.058

Background



This preview shows how black text looks on a background with the CIELCh color 51, 99.849, 39.058.



This preview shows how white text looks on a background with the CIELCh color 51, 99.849, 39.058.

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

51, 99.849, 39.058

Protanopia

51, 48.454, 95.397

Deuteranopia

51, 57.956, 84.152



Tritanopia
51, 99.109, 40.877

Trichromacy



Original Color
51, 99.849, 39.058



Protanomaly
45, 61.055, 52.077



Deuteranomaly
46, 70.262, 52.765



Tritanomaly
51, 99.542, 40.128

Monochromacy



Original Color
51, 99.849, 39.058



Achromatopsia
31, 0.005, 296.813



Achromatomaly
33, 42.549, 26.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 99.849, 39.058 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(244, 0, 8)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 8)  
}
```

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(244, 0, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 99.849, 39.058 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(244, 0, 8) }
```

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

```
.border{ border-color:rgb(244, 0, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 0, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(244, 0, 8); box-shadow:4px  
4px 4px 4px rgb(244, 0, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 99.849, 39.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 8) }
```

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

```
.background{ background-color: rgb(244, 0,  
8) }
```

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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