

Converting Colors

CIELCh(51, 100.203, 39.665)

Have a look what the booklet for
CIELCh(51, 100.203, 39.665)
contains.

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Color

CIELCh(51, 100.278, 39.646)

Conversions

Conversions Part 1

Format	Color
Hex	F40304
RGB	244, 3, 4
RGB Percent	96%, 1%, 2%
CMY	0.0441, 0.9872, 0.9852
CMYK	0.00, 0.99, 0.98, 0.04
HSL	360°, 97%, 48%
HSV	360°, 99%, 96%
XYZ	37.2819, 19.2686, 1.8629
YIQ	75.1730, 143.3150, 51.4030

Conversions

Conversions Part 2

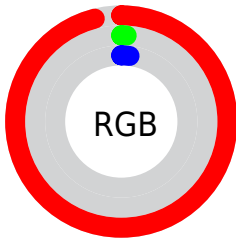
Format	Color
RYB	244, 3, 4
Decimal	15991556
CIELab	51.00, 77.21, 63.98
CIElCh	51, 100.278, 39.646
Yxy	19.2686, 0.6382, 0.3299
Android (android.graphics.Color)	4294181636 (0xFFFF40304)
YUV	75.1730, -35.0883, 148.0613
Hunter-Lab	43.8960, 74.7859, 28.2110

Details

The CIELCh color **51, 100.278, 39.646** 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, 48.439, 196.055**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.235, 40.913**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **51, 100.976, 39.936**, and if you desaturate by 10%, it is **52, 94.087, 37.139**.

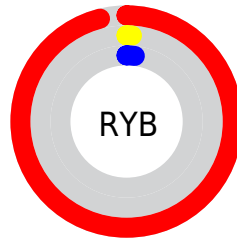
Distribution



Red (96%)

Green (1%)

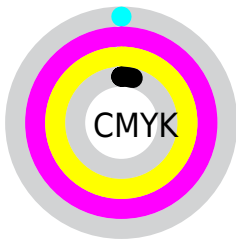
Blue (2%)



Red (96%)

Yellow (1%)

Blue (2%)

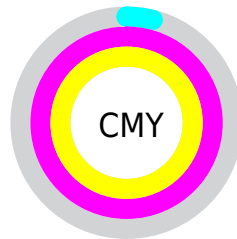


Cyan (0%)

Magenta (99%)

Yellow (98%)

Black (4%)



Cyan (4%)


Magenta (99%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 100.278, 39.646 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, 100.278, 39.646 by changing the saturation by 10% instead.


 51, 100.278,
39.646


 51, 100.278,
39.646


 100, 100.278,
39.646


 41, 100.278,
39.646


 71, 100.278,
39.646

 31, 100.278,
39.646

 81, 100.278,
39.646

 21, 100.278,
39.646

 91, 100.278,
39.646

 11, 100.278,
39.646

 1, 100.278, 39.646

 0, 100.278, 39.646

■ 51, 100.278,
39.646

■ 51, 100.278,
39.646

■ 51, 100.976,
39.936

■ 52, 94.087, 37.139

■ 54, 84.545, 33.585

■ 57, 73.450, 30.086

■ 61, 61.750, 27.129

■ 66, 49.966, 24.789

■ 72, 38.469, 22.988

■ 78, 27.513, 21.610

■ 84, 17.238, 20.549

■ 90, 7.691, 19.697

Harmonies

Complementary

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



51, 100.278, 39.646



88, 48.439, 196.055

Rectangle

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



51, 100.278, 39.646



51, 100.278, 89.646



51, 100.278, 219.646



51, 100.278, 269.646

Sweetspot

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



51, 100.274, 39.648



80, 30.026, 21.783



57, 111.537, 327.564



40, 20.804, 22.341



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, 100.274, 39.648



53, 104.487, 39.939



64, 82.617, 58.887



48, 5.080, 19.764



39, 82.448, 39.910



8, 31.010, 24.920

Inverse Universe

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



51, 100.274, 39.648



53, 104.487, 39.939



54, 67.724, 282.647



48, 5.080, 19.764



39, 82.448, 39.910



8, 31.010, 24.920

Previews

White Background



This preview shows how the CIELCh color 51, 100.278, 39.646 looks on a white background.

Color Contrast Check

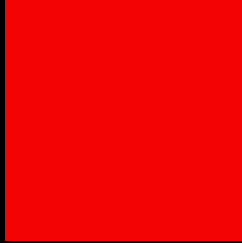
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 100.278, 39.646 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, 100.278, 39.646

Background



This preview shows how black text looks on a background with the CIELCh color 51, 100.278, 39.646.



This preview shows how white text looks on a background with the CIELCh color 51, 100.278, 39.646.

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, 100.328, 39.615

Protanopia
51, 48.832, 95.410

Tritanopia
51, 99.109, 40.877

Trichromacy



Original Color
51, 100.328, 39.615

Protanomaly
45, 61.057, 53.202

Tritanomaly
51, 99.806, 40.405

Monochromacy



Original Color
51, 100.328, 39.615

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 42.127, 28.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 100.278, 39.646 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, 3, 4)` looks like.

```
.text, #text, p{  
    color:rgb(244, 3, 4)  
}
```

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, 3, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 3, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 100.278, 39.646 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, 3, 4) }
```

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

```
.border{ border-color:rgb(244, 3, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 3, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 3, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(244, 3, 4); box-shadow:4px  
4px 4px 4px rgb(244, 3, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 100.278, 39.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 3, 4) }
```

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

```
.background{ background-color: rgb(244, 3,  
4) }
```

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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