

Converting Colors

CIELCh(51, 99.512, 38.739)

Have a look what the booklet for
CIELCh(51, 99.512, 38.739) contains.

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Color

CIELCh(51, 99.395, 38.715)

Conversions

Conversions Part 1

Format	Color
Hex	F4000B
RGB	244, 0, 11
RGB Percent	96%, 0%, 4%
CMY	0.0430, 0.9992, 0.9567
CMYK	0.00, 1.00, 0.95, 0.04
HSL	357°, 100%, 48%
HSV	357°, 100%, 96%
XYZ	37.3860, 19.2686, 2.0668
YIQ	74.2100, 141.8930, 55.1490

Conversions

Conversions Part 2

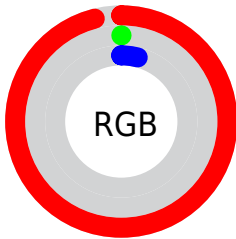
Format	Color
R_{YB}	244, 0, 11
Decimal	15990795
CIE _{Lab}	51.00, 77.55, 62.17
CIE _{LCh}	51, 99.395, 38.715
Yxy	19.2686, 0.6367, 0.3281
Android (android.graphics.Color)	4294180875 (0xFFFF4000B)
YUV	74.2100, -31.1625, 148.9058
Hunter-Lab	43.8960, 75.2093, 27.9356

Details

The CIELCh color **51, 99.395, 38.715** 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, 50.305, 189.693**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 77.285, 39.441**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **51, 99.434, 38.734**, and if you desaturate by 10%, it is **52, 92.921, 35.532**.

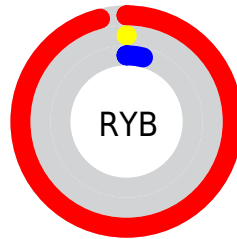
Distribution



Red (96%)

Green (0%)

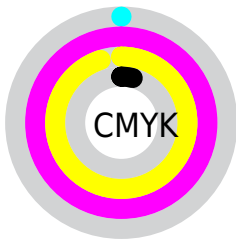
Blue (4%)



Red (96%)

Yellow (0%)

Blue (4%)

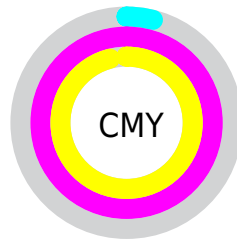


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (4%)



Cyan (4%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 99.395, 38.715 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, 99.395, 38.715 by changing the saturation by 10% instead.

 51, 99.395, 38.715

 51, 99.395, 38.715

 100, 99.395,
38.715

 41, 99.395, 38.715

 71, 99.395, 38.715

 31, 99.395, 38.715

 81, 99.395, 38.715

 21, 99.395, 38.715

 91, 99.395, 38.715

 11, 99.395, 38.715

 1, 99.395, 38.715

 0, 99.395, 38.715

 51, 99.395, 38.715

 51, 99.395, 38.715

 51, 99.434, 38.734

 52, 92.921, 35.532

 54, 83.792, 31.485

■ 57, 73.328, 27.685

■ 61, 62.184, 24.515

■ 66, 50.801, 22.003

■ 71, 39.550, 20.052

■ 77, 28.711, 18.538

■ 83, 18.454, 17.350

■ 90, 8.856, 16.384

Harmonies

Complementary

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



51, 99.395, 38.715



87, 50.305, 189.693

Rectangle

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



51, 99.395, 38.715



51, 99.395, 88.715



51, 99.395, 218.715



51, 99.395, 268.715

Sweetspot

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



51, 99.391, 38.717



80, 29.855, 18.559



56, 112.071, 326.239



40, 20.654, 19.156



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, 99.391, 38.717



53, 102.883, 38.798



62, 84.705, 55.975



48, 5.083, 16.346



39, 80.637, 38.252



8, 30.746, 23.229

Inverse Universe

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



51, 99.391, 38.717



53, 102.883, 38.798



56, 64.081, 279.569



48, 5.083, 16.346



39, 80.637, 38.252



8, 30.746, 23.229

Previews

White Background



This preview shows how the CIELCh color 51, 99.395, 38.715 looks on a white background.

Color Contrast Check

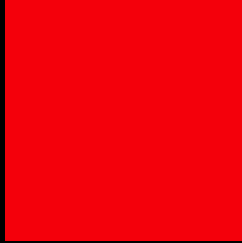
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.395, 38.715 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, 99.395, 38.715

Background



This preview shows how black text looks on a background with the CIELCh color 51, 99.395, 38.715.



This preview shows how white text looks on a background with the CIELCh color 51, 99.395, 38.715.

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, 99.395, 38.715

Protanopia

51, 47.677, 95.368

Deuteranopia

51, 57.956, 84.152



Tritanopia
51, 99.109, 40.877

Trichromacy



Original Color
51, 99.395, 38.715



Protanomaly
45, 60.457, 51.571



Deuteranomaly
46, 70.065, 52.630



Tritanomaly
51, 99.380, 40.011

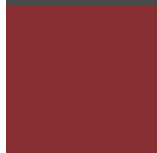
Monochromacy



Original Color
51, 99.395, 38.715



Achromatopsia
31, 0.005, 296.813



Achromatomaly
33, 42.347, 25.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 99.395, 38.715 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 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(244, 0, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 99.395, 38.715 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, 11) }
```

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

```
.border{ border-color:rgb(244, 0, 11) }
```

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, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 11);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 99.395, 38.715 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, 11) }
```

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

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