

Converting Colors

CIELCh(52, 97.217, 38.878)

Have a look what the booklet for
CIELCh(52, 97.217, 38.878) contains.

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Color

CIELCh(52, 97.253, 38.892)

Conversions

Conversions Part 1

Format	Color
Hex	F51811
RGB	245, 24, 17
RGB Percent	96%, 9%, 7%
CMY	0.0387, 0.9046, 0.9328
CMYK	0.00, 0.90, 0.93, 0.04
HSL	2°, 92%, 51%
HSV	2°, 93%, 96%
XYZ	38.1413, 20.1443, 2.4134
YIQ	89.2810, 133.9630, 44.6750

Conversions

Conversions Part 2

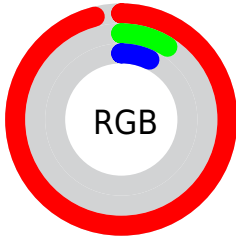
Format	Color
R_{YB}	245, 24, 17
Decimal	16062481
CIE _{Lab}	52.00, 75.70, 61.06
CIE _{LCh}	52, 97.253, 38.892
Yxy	20.1443, 0.6284, 0.3319
Android (android.graphics.Color)	4294252561 (0xFFFF51811)
YUV	89.2810, -35.6345, 136.5656
Hunter-Lab	44.8824, 73.1459, 28.2296

Details

The CIELCh color **52, 97.253, 38.892** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **86, 46.271, 201.253**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.610, 40.337**, and **37, 79.814, 39.968** is the 20% darker color. If you saturate the color by 10%, you get **51, 101.115, 40.233**, and if you desaturate by 10%, it is **54, 88.563, 36.113**.

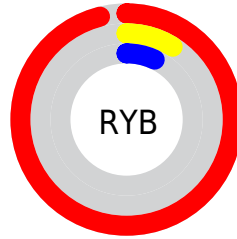
Distribution



Red (96%)

Green (9%)

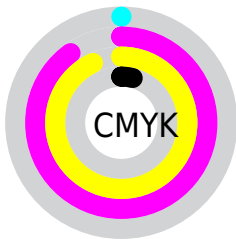
Blue (7%)



Red (96%)

Yellow (9%)

Blue (7%)

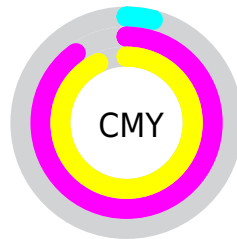


Cyan (0%)

Magenta (90%)

Yellow (93%)

Black (4%)



Cyan (4%)

Magenta (90%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 97.253, 38.892 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 52, 97.253, 38.892 by changing the saturation by 10% instead.

 52, 97.253, 38.892

 52, 97.253, 38.892

 100, 97.253,
38.892

 42, 97.253, 38.892

 72, 97.253, 38.892

 32, 97.253, 38.892

 82, 97.253, 38.892

 22, 97.253, 38.892

 92, 97.253, 38.892


 12, 97.253, 38.892

 2, 97.253, 38.892

 0, 97.253, 38.892

 52, 97.253, 38.892

 52, 97.253, 38.892

 51, 101.115,
40.233

 54, 88.563, 36.113

 57, 77.646, 32.936

60, 65.929, 30.090

65, 54.081, 27.781

70, 42.503, 25.989

76, 31.456, 24.625

82, 21.086, 23.591

88, 11.452, 22.794

95, 2.548, 22.016

Harmonies

Complementary

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



52, 97.253, 38.892



86, 46.271, 201.253

Rectangle

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



52, 97.253, 38.892



52, 97.253, 88.892



52, 97.253, 218.892



52, 97.253, 268.892

Sweetspot

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



52, 97.249, 38.894



82, 27.022, 24.077



58, 109.501, 328.836



41, 18.970, 24.551



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 97.249, 38.894



53, 104.199, 40.221



67, 79.253, 63.301



48, 4.925, 22.548



39, 82.111, 40.328



9, 30.339, 26.676

Inverse Universe

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



86, 46.271, 201.253



89, 47.943, 201.579



54, 68.472, 283.395



50, 4.633, 201.784



67, 37.876, 201.476



21, 16.932, 200.775

Previews

White Background



This preview shows how the CIELCh color 52, 97.253, 38.892 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 52, 97.253, 38.892 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 52, 97.253, 38.892

Background



This preview shows how black text looks on a background with the CIELCh color 52, 97.253, 38.892.



This preview shows how white text looks on a background with the CIELCh color 52, 97.253, 38.892.

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

52, 97.253, 38.892

Protanopia

52, 47.299, 95.454

Deuteranopia

52, 58.560, 84.408



Tritanopia
52, 97.706, 39.372

Trichromacy



Original Color
52, 97.253, 38.892

Protanomaly
48, 57.965, 55.376

Deuteranomaly
49, 68.517, 55.871

Tritanomaly
52, 97.532, 39.239

Monochromacy



Original Color
52, 97.253, 38.892

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 37.901, 27.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 97.253, 38.892 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(245, 24, 17)` looks like.

```
.text, #text, p{  
    color:rgb(245, 24, 17)  
}
```

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(245, 24, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 24, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 97.253, 38.892 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(245, 24, 17) }
```

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

```
.border{ border-color:rgb(245, 24, 17) }
```

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

Here you see how a box with a 4 pixel rgb(245, 24, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 24, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 24, 17);  
box-shadow:4px 4px 4px 4px rgb(245, 24,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 97.253, 38.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 24, 17) }
```

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

```
.background{ background-color: rgb(245, 24,  
17) }
```

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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