

Converting Colors

CIELCh(52, 101.959, 39.837)

Have a look what the booklet for
CIELCh(52, 101.959, 39.837)
contains.

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Color

CIELCh(52, 102.185, 39.887)

Conversions

Conversions Part 1

Format	Color
Hex	F90302
RGB	249, 3, 2
RGB Percent	98%, 1%, 1%
CMY	0.0248, 0.9886, 0.9933
CMYK	0.00, 0.99, 0.99, 0.02
HSL	0°, 99%, 49%
HSV	0°, 99%, 98%
XYZ	38.9891, 20.1443, 1.8822
YIQ	76.4400, 146.9370, 51.8410

Conversions

Conversions Part 2

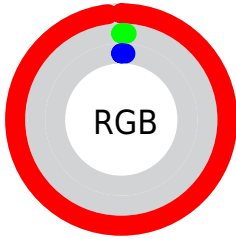
Format	Color
RYB	249, 3, 2
Decimal	16319234
CIELab	52.00, 78.41, 65.53
CIELCh	52, 102.185, 39.887
Yxy	20.1443, 0.6390, 0.3302
Android (android.graphics.Color)	4294509314 (0xFFFF90302)
YUV	76.4400, -36.6989, 151.3351
Hunter-Lab	44.8824, 76.5178, 28.9313

Details

The CIELCh color **52, 102.185, 39.887** 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 **89, 48.786, 197.151**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.318, 41.488**, and **38, 81.167, 39.990** is the 20% darker color. If you saturate the color by 10%, you get **52, 102.542, 40.035**, and if you desaturate by 10%, it is **53, 96.140, 37.547**.

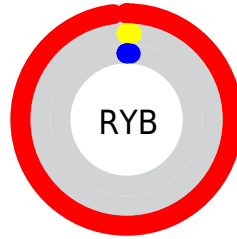
Distribution



Red (98%)

Green (1%)

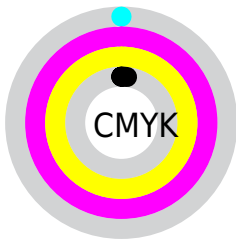
Blue (1%)



Red (98%)

Yellow (1%)

Blue (1%)

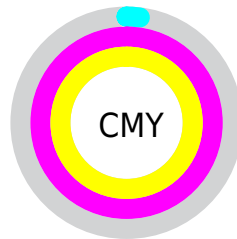


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (2%)



Cyan (2%)


Magenta (99%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 102.185, 39.887 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, 102.185, 39.887 by changing the saturation by 10% instead.


 52, 102.185,
39.887


 52, 102.185,
39.887


 100, 102.185,
39.887


 42, 102.185,
39.887


 72, 102.185,
39.887

 32, 102.185,
39.887

 82, 102.185,
39.887

 22, 102.185,
39.887

 92, 102.185,
39.887

 12, 102.185,
39.887

 2, 102.185, 39.887

 0, 102.185, 39.887

■ 52, 102.185,
39.887

■ 52, 102.185,
39.887

■ 52, 102.542,
40.035

■ 53, 96.140, 37.547

■ 55, 86.570, 34.123

■ 58, 75.306, 30.670

■ 62, 63.399, 27.726

■ 67, 51.403, 25.388

■ 73, 39.701, 23.587

■ 79, 28.552, 22.213

■ 85, 18.097, 21.159

■ 92, 8.386, 20.320

Harmonies

Complementary

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



52, 102.185, 39.887



89, 48.786, 197.151

Rectangle

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



52, 102.185, 39.887



52, 102.185, 89.887



52, 102.185, 219.887



52, 102.185, 269.887

Sweetspot

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



52, 102.181, 39.889



80, 29.902, 22.301



59, 113.270, 328.229



40, 20.721, 22.847



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, 102.181, 39.889



53, 104.517, 40.034



66, 83.620, 60.027



49, 5.142, 20.334



39, 83.323, 40.050



9, 32.090, 26.386

Inverse Universe

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



89, 48.786, 197.151



91, 49.758, 197.155



54, 71.668, 284.666



51, 4.840, 199.388



69, 39.684, 197.141



23, 17.970, 197.045

Previews

White Background



This preview shows how the CIELCh color 52, 102.185, 39.887 looks on a white background.

Color Contrast Check

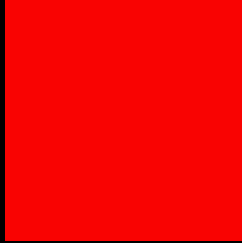
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 102.185, 39.887 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, 102.185, 39.887

Background



This preview shows how black text looks on a background with the CIELCh color 52, 102.185, 39.887.



This preview shows how white text looks on a background with the CIELCh color 52, 102.185, 39.887.

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, 102.234, 39.858

Protanopia
53, 50.031, 95.600

Deuteranopia
52, 58.737, 83.968



Tritanopia
52, 100.718, 40.837

Trichromacy



Original Color
52, 102.234, 39.858

Protanomaly
47, 62.564, 53.600

Deuteranomaly
47, 71.751, 53.124

Tritanomaly
52, 101.402, 40.387

Monochromacy



Original Color
52, 102.234, 39.858

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 43.477, 28.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 102.185, 39.887 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(249, 3, 2)` looks like.

```
.text, #text, p{  
    color:rgb(249, 3, 2)  
}
```

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(249, 3, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 3, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 102.185, 39.887 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(249, 3, 2) }
```

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

```
.border{ border-color:rgb(249, 3, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 3, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 3, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(249, 3, 2); box-shadow:4px  
4px 4px 4px rgb(249, 3, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 102.185, 39.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 3, 2) }
```

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

```
.background{ background-color: rgb(249, 3,  
2) }
```

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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