

Converting Colors

CIELCh(52, 99.678, 37.531)

Have a look what the booklet for
CIELCh(52, 99.678, 37.531) contains.

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Color

CIELCh(52, 99.596, 37.682)

Conversions

Conversions Part 1

Format	Color
Hex	F90013
RGB	249, 0, 19
RGB Percent	98%, 0%, 7%
CMY	0.0242, 1.0000, 0.9260
CMYK	0.00, 1.00, 0.92, 0.02
HSL	355°, 100%, 49%
HSV	355°, 100%, 98%
XYZ	39.1197, 20.1443, 2.4367
YIQ	76.6170, 142.3050, 58.6970

Conversions

Conversions Part 2

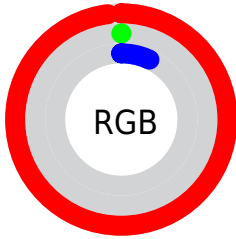
Format	Color
RYB	249, 0, 19
Decimal	16318483
CIELab	52.00, 78.82, 60.88
CIElCh	52, 99.596, 37.682
Yxy	20.1443, 0.6340, 0.3265
Android (android.graphics.Color)	4294508563 (0xFFFF90013)
YUV	76.6170, -28.4052, 151.1799
Hunter-Lab	44.8824, 77.0370, 28.1989

Details

The CIELCh color **52, 99.596, 37.682** 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, 52.712, 185.253**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 75.637, 38.164**, and **38, 81.167, 39.990** is the 20% darker color. If you saturate the color by 10%, you get **52, 99.569, 37.700**, and if you desaturate by 10%, it is **53, 92.651, 33.861**.

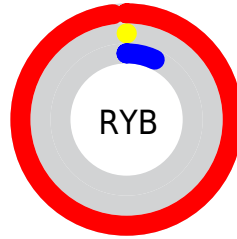
Distribution



Red (98%)

Green (0%)

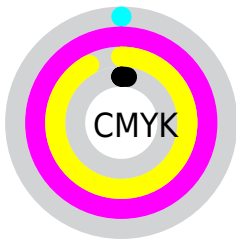
Blue (7%)



Red (98%)

Yellow (0%)

Blue (7%)

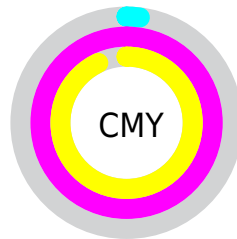


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (2%)



Cyan (2%)

Magenta (100%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 99.596, 37.682 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, 99.596, 37.682 by changing the saturation by 10% instead.

 52, 99.596, 37.682

 52, 99.596, 37.682

 100, 99.596,
37.682

 42, 99.596, 37.682

 72, 99.596, 37.682

 32, 99.596, 37.682

 82, 99.596, 37.682

 22, 99.596, 37.682

 92, 99.596, 37.682

 12, 99.596, 37.682

 2, 99.596, 37.682

 0, 99.596, 37.682

 52, 99.596, 37.682

 52, 99.596, 37.682

 52, 99.569, 37.700

 53, 92.651, 33.861

 55, 83.673, 29.495

■ 58, 73.491, 25.545

■ 62, 62.572, 22.290

■ 67, 51.313, 19.718

■ 72, 40.092, 17.710

■ 78, 29.206, 16.139

■ 85, 18.846, 14.890

■ 91, 9.104, 13.864

Harmonies

Complementary

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



52, 99.596, 37.682



89, 52.712, 185.253

Rectangle

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



52, 99.596, 37.682



52, 99.596, 87.682



52, 99.596, 217.682



52, 99.596, 267.682

Sweetspot

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



52, 99.569, 37.700



80, 29.795, 16.144



55, 114.050, 324.930



40, 20.590, 16.763



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, 99.569, 37.700



53, 101.491, 37.746



62, 87.580, 53.529



49, 5.184, 13.815



39, 80.235, 37.054



9, 31.668, 23.080

Inverse Universe

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



52, 99.569, 37.700



53, 101.491, 37.746



59, 60.776, 275.582



49, 5.184, 13.815



39, 80.235, 37.054



9, 31.668, 23.080

Previews

White Background



This preview shows how the CIELCh color 52, 99.596, 37.682 looks on a white background.

Color Contrast Check

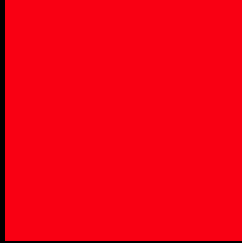
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.596, 37.682 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, 99.596, 37.682

Background



This preview shows how black text looks on a background with the CIELCh color 52, 99.596, 37.682.



This preview shows how white text looks on a background with the CIELCh color 52, 99.596, 37.682.

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, 99.596, 37.682

Protanopia

53, 46.471, 95.466

Deuteranopia

52, 58.737, 83.968



Tritanopia
52, 100.718, 40.837

Trichromacy



Original Color
52, 99.596, 37.682



Protanomaly
46, 59.104, 50.040



Deuteranomaly
47, 70.808, 51.995



Tritanomaly
52, 100.529, 39.678

Monochromacy



Original Color
52, 99.596, 37.682



Achromatopsia
33, 0.005, 296.813



Achromatomaly
34, 42.095, 22.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 99.596, 37.682 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, 0, 19)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 19)  
}
```

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, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 99.596, 37.682 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, 0, 19) }
```

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

```
.border{ border-color:rgb(249, 0, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 0, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(249, 0, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 99.596, 37.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 19) }
```

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

```
.background{ background-color: rgb(249, 0,  
19) }
```

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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