

Converting Colors

CIELCh(52, 98.515, 36.578)

Have a look what the booklet for
CIELCh(52, 98.515, 36.578) contains.

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Color

CIELCh(52, 98.318, 36.638)

Conversions

Conversions Part 1

Format	Color
Hex	F90019
RGB	249, 0, 25
RGB Percent	98%, 0%, 10%
CMY	0.0245, 1.0000, 0.9027
CMYK	0.00, 1.00, 0.90, 0.02
HSL	354°, 100%, 49%
HSV	354°, 100%, 98%
XYZ	39.1420, 20.1443, 2.7345
YIQ	77.3010, 140.3790, 60.5630

Conversions

Conversions Part 2

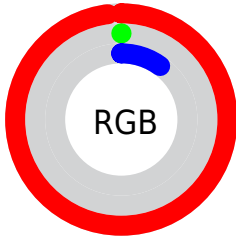
Format	Color
RYB	249, 0, 25
Decimal	16318489
CIELab	52.00, 78.89, 58.67
CIELCh	52, 98.318, 36.638
Yxy	20.1443, 0.6311, 0.3248
Android (android.graphics.Color)	4294508569 (0xFFFF90019)
YUV	77.3010, -25.7844, 150.5800
Hunter-Lab	44.8824, 77.1257, 27.8054

Details

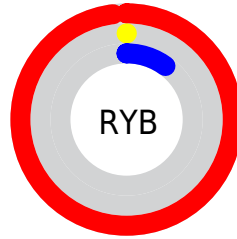
The CIELCh color **52, 98.318, 36.638** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **88, 54.119, 182.067**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.243, 36.496**, and **38, 81.167, 39.990** is the 20% darker color. If you saturate the color by 10%, you get **52, 98.276, 36.666**, and if you desaturate by 10%, it is **53, 91.243, 32.396**.

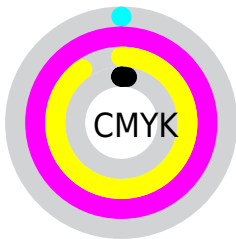
Distribution



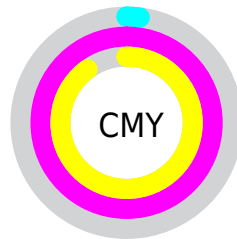
- Red (98%)
- Green (0%)
- Blue (10%)



- Red (98%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (90%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 98.318, 36.638 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, 98.318, 36.638 by changing the saturation by 10% instead.

 52, 98.318, 36.638

 52, 98.318, 36.638

 100, 98.318,
36.638

 42, 98.318, 36.638

 72, 98.318, 36.638

 32, 98.318, 36.638

 82, 98.318, 36.638

 22, 98.318, 36.638

 92, 98.318, 36.638

 12, 98.318, 36.638

 2, 98.318, 36.638

 0, 98.318, 36.638

 52, 98.318, 36.638

 52, 98.318, 36.638

 52, 98.276, 36.666

 53, 91.243, 32.396

 55, 82.547, 27.841

■ 58, 72.713, 23.814

■ 62, 62.091, 20.525

■ 67, 51.055, 17.928

■ 72, 39.985, 15.895

■ 78, 29.191, 14.294

■ 85, 18.872, 13.012

■ 91, 9.132, 11.949

Harmonies

Complementary

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



52, 98.318, 36.638



88, 54.119, 182.067

Rectangle

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



52, 98.318, 36.638



52, 98.318, 86.638



52, 98.318, 216.638



52, 98.318, 266.638

Sweetspot

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



52, 98.276, 36.666



80, 29.787, 14.300



55, 114.198, 324.286



40, 20.567, 14.931



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, 98.276, 36.666



53, 100.209, 36.721



61, 88.366, 52.415



49, 5.202, 11.898



39, 79.153, 35.924



9, 31.520, 22.094

Inverse Universe

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



52, 98.276, 36.666



53, 100.209, 36.721



60, 58.694, 273.356



49, 5.202, 11.898



39, 79.153, 35.924



9, 31.520, 22.094

Previews

White Background



This preview shows how the CIELCh color 52, 98.318, 36.638 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, 98.318, 36.638 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, 98.318, 36.638

Background



This preview shows how black text looks on a background with the CIELCh color 52, 98.318, 36.638.



This preview shows how white text looks on a background with the CIELCh color 52, 98.318, 36.638.

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, 98.318, 36.638

Protanopia

53, 43.753, 95.926

Deuteranopia

52, 58.737, 83.968



Tritanopia
52, 100.718, 40.837

Trichromacy



Original Color
52, 98.318, 36.638

Protanomaly
46, 57.108, 48.051

Deuteranomaly
47, 70.443, 51.739

Tritanomaly
52, 100.232, 39.461

Monochromacy



Original Color
52, 98.318, 36.638

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 41.784, 21.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 98.318, 36.638 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 98.318, 36.638 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, 25) }
```

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

```
.border{ border-color:rgb(249, 0, 25) }
```

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, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 25);  
box-shadow:4px 4px 4px 4px rgb(249, 0, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 98.318, 36.638 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, 25) }
```

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

```
.background{ background-color: rgb(249, 0,  
25) }
```

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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