

Converting Colors

CIELCh(52, 102.128, 39.607)

Have a look what the booklet for
CIELCh(52, 102.128, 39.607)
contains.

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Color

CIELCh(52, 102.220, 39.657)

Conversions

Conversions Part 1

Format	Color
Hex	F90003
RGB	249, 0, 3
RGB Percent	98%, 0%, 1%
CMY	0.0236, 0.9998, 0.9883
CMYK	0.00, 1.00, 0.99, 0.02
HSL	359°, 100%, 49%
HSV	359°, 100%, 98%
XYZ	39.0803, 20.1443, 1.9143
YIQ	74.7930, 147.4410, 53.7210

Conversions

Conversions Part 2

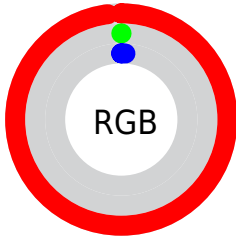
Format	Color
RYB	249, 0, 3
Decimal	16318467
CIELab	52.00, 78.70, 65.24
CIELCh	52, 102.220, 39.657
Yxy	20.1443, 0.6392, 0.3295
Android (android.graphics.Color)	4294508547 (0xFFFF90003)
YUV	74.7930, -35.3939, 152.7795
Hunter-Lab	44.8824, 76.8804, 28.8888

Details

The CIELCh color **52, 102.220, 39.657** 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, 49.657, 194.551**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.235, 40.913**, and **38, 81.167, 39.990** is the 20% darker color. If you saturate the color by 10%, you get **52, 102.225, 39.662**, and if you desaturate by 10%, it is **53, 96.261, 37.171**.

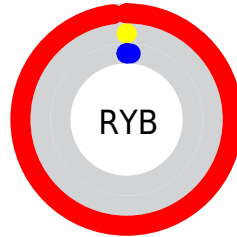
Distribution



Red (98%)

Green (0%)

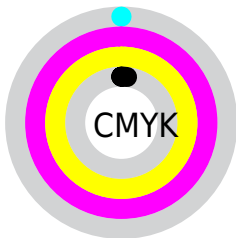
Blue (1%)



Red (98%)

Yellow (0%)

Blue (1%)

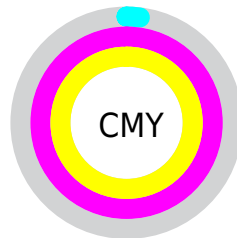


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (2%)



Cyan (2%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 102.220, 39.657 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, 102.220, 39.657 by changing the saturation by 10% instead.


 52, 102.220,
39.657


 52, 102.220,
39.657


 100, 102.220,
39.657


 42, 102.220,
39.657


 72, 102.220,
39.657

 32, 102.220,
39.657

 82, 102.220,
39.657

 22, 102.220,
39.657

 92, 102.220,
39.657

 12, 102.220,
39.657

 2, 102.220, 39.657

 0, 102.220, 39.657

■ 52, 102.220,
39.657

■ 52, 102.220,
39.657

■ 52, 102.225,
39.662

■ 53, 96.261, 37.171

■ 55, 86.906, 33.542

■ 58, 75.876, 29.921

■ 62, 64.144, 26.838

■ 67, 52.242, 24.388

■ 72, 40.563, 22.495

■ 78, 29.382, 21.042

■ 85, 18.861, 19.919

■ 91, 9.063, 19.023

Harmonies

Complementary

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



52, 102.220, 39.657



89, 49.657, 194.551

Rectangle

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



52, 102.220, 39.657



52, 102.220, 89.657



52, 102.220, 219.657



52, 102.220, 269.657

Sweetspot

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



52, 102.216, 39.659



80, 29.978, 21.049



58, 113.577, 327.562



40, 20.763, 21.616



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, 102.216, 39.659



53, 104.103, 39.672



65, 84.668, 58.486



49, 5.166, 18.983



39, 82.846, 39.524



9, 32.107, 25.668

Inverse Universe

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



52, 102.216, 39.659



53, 104.103, 39.672



55, 69.827, 283.295



49, 5.166, 18.983



39, 82.846, 39.524



9, 32.107, 25.668

Previews

White Background



This preview shows how the CIELCh color 52, 102.220, 39.657 looks on a white background.

Color Contrast Check

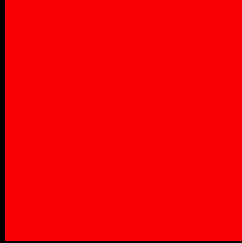
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.220, 39.657 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, 102.220, 39.657

Background



This preview shows how black text looks on a background with the CIELCh color 52, 102.220, 39.657.



This preview shows how white text looks on a background with the CIELCh color 52, 102.220, 39.657.

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, 102.220, 39.657

Protanopia

53, 50.031, 95.600

Deuteranopia

52, 58.737, 83.968



Tritanopia
52, 100.718, 40.837

Trichromacy



Original Color
52, 102.220, 39.657

Protanomaly
46, 62.740, 53.144

Deuteranomaly
47, 71.955, 52.776

Tritanomaly
52, 101.466, 40.347

Monochromacy



Original Color
52, 102.220, 39.657

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 43.339, 27.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 102.220, 39.657 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 102.220, 39.657 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, 3) }
```

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

```
.border{ border-color:rgb(249, 0, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(249, 0, 3); box-shadow:4px  
4px 4px 4px rgb(249, 0, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 102.220, 39.657 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, 3) }
```

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

```
.background{ background-color: rgb(249, 0,  
3) }
```

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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