

Converting Colors

CIELCh(52, 99.442, 39.900)

Have a look what the booklet for
CIELCh(52, 99.442, 39.900) contains.

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Color

CIELCh(52, 99.458, 39.950)

Conversions

Conversions Part 1

Format	Color
Hex	F61507
RGB	246, 21, 7
RGB Percent	96%, 8%, 3%
CMY	0.0353, 0.9175, 0.9726
CMYK	0.00, 0.91, 0.97, 0.04
HSL	4°, 94%, 50%
HSV	4°, 97%, 96%
XYZ	38.3122, 20.1443, 2.0699
YIQ	86.6790, 138.5940, 43.3460

Conversions

Conversions Part 2

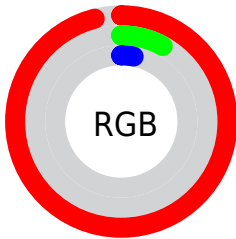
Format	Color
RYB	246, 22, 7
Decimal	16127239
CIELab	52.00, 76.25, 63.86
CIELCh	52, 99.458, 39.950
Yxy	20.1443, 0.6330, 0.3328
Android (android.graphics.Color)	4294317319 (0xFFFF61507)
YUV	86.6790, -39.2817, 139.7245
Hunter-Lab	44.8824, 73.8256, 28.6834

Details

The CIELCh color **52, 99.458, 39.950** 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 **84, 45.054, 206.186**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 76.596, 41.835**, and **37, 80.154, 39.975** is the 20% darker color. If you saturate the color by 10%, you get **52, 101.028, 40.449**, and if you desaturate by 10%, it is **54, 92.033, 38.028**.

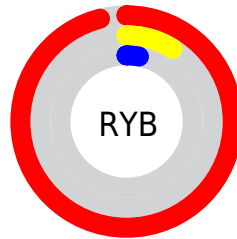
Distribution



Red (96%)

Green (8%)

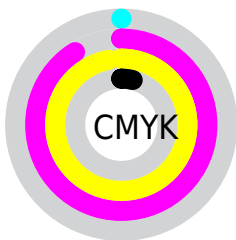
Blue (3%)



Red (96%)

Yellow (9%)

Blue (3%)

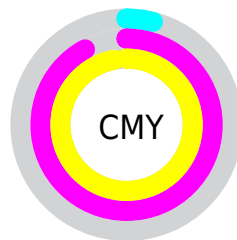


Cyan (0%)

Magenta (91%)

Yellow (97%)

Black (4%)



Cyan (4%)

Magenta (92%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 99.458, 39.950 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, 99.458, 39.950 by changing the saturation by 10% instead.

 52, 99.458, 39.950

 52, 99.458, 39.950

 100, 99.458,
39.950

 42, 99.458, 39.950

 72, 99.458, 39.950

 32, 99.458, 39.950

 82, 99.458, 39.950

 22, 99.458, 39.950

 92, 99.458, 39.950


 12, 99.458, 39.950

 2, 99.458, 39.950

 0, 99.458, 39.950

 52, 99.458, 39.950

 52, 99.458, 39.950

 52, 101.028,
40.449

 54, 92.033, 38.028

 56, 81.542, 35.260

60, 69.902, 32.568

64, 58.021, 30.307

69, 46.369, 28.529

74, 35.225, 27.176

80, 24.750, 26.161

86, 15.010, 25.400

92, 6.009, 24.791

Harmonies

Complementary

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



52, 99.458, 39.950



84, 45.054, 206.186

Rectangle

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



52, 99.458, 39.950



52, 99.458, 89.950



52, 99.458, 219.950



52, 99.458, 269.950

Sweetspot

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



52, 99.454, 39.952



82, 27.421, 26.331



58, 107.698, 330.295



41, 19.137, 26.752



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, 99.454, 39.952



54, 103.844, 40.432



68, 80.538, 64.986



48, 4.799, 24.930



39, 81.737, 40.614



9, 29.789, 28.127

Inverse Universe

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



84, 45.054, 206.186



87, 46.358, 206.477



51, 76.588, 288.225



50, 4.513, 204.362



65, 36.641, 206.269



20, 16.438, 204.864

Previews

White Background



This preview shows how the CIELCh color 52, 99.458, 39.950 looks on a white background.

Color Contrast Check

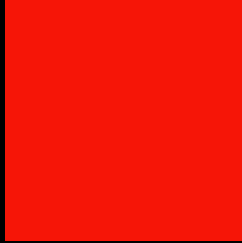
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.458, 39.950 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, 99.458, 39.950

Background



This preview shows how black text looks on a background with the CIELCh color 52, 99.458, 39.950.



This preview shows how white text looks on a background with the CIELCh color 52, 99.458, 39.950.

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, 99.458, 39.950

Protanopia

52, 49.260, 95.527

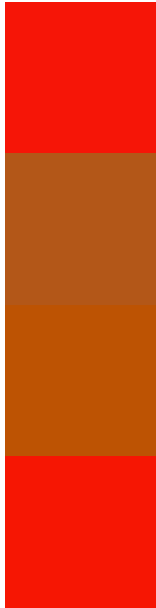
Deuteranopia

52, 58.560, 84.408



Tritanopia
52, 100.482, 40.791

Trichromacy



Original Color
52, 99.458, 39.950

Protanomaly
48, 60.356, 56.056

Deuteranomaly
48, 69.446, 55.432

Tritanomaly
52, 99.996, 40.449

Monochromacy



Original Color
52, 99.458, 39.950

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 39.724, 30.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 99.458, 39.950 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(246, 21, 7)` looks like.

```
.text, #text, p{  
    color:rgb(246, 21, 7)  
}
```

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(246, 21, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 21, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 99.458, 39.950 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(246, 21, 7) }
```

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

```
.border{ border-color:rgb(246, 21, 7) }
```

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

Here you see how a box with a 4 pixel rgb(246, 21, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 21, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 21, 7);  
box-shadow:4px 4px 4px 4px rgb(246, 21, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 99.458, 39.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 21, 7) }
```

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

```
.background{ background-color: rgb(246, 21,  
7) }
```

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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