

Converting Colors

CIELCh(53, 102.631, 38.612)

Have a look what the booklet for
CIELCh(53, 102.631, 38.612)
contains.

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Color

CIELCh(53, 102.461, 38.712)

Conversions

Conversions Part 1

Format	Color
Hex	FE000C
RGB	254, 0, 12
RGB Percent	100%, 0%, 5%
CMY	0.0047, 1.0000, 0.9537
CMYK	0.00, 1.00, 0.95, 0.00
HSL	357°, 100%, 50%
HSV	357°, 100%, 100%
XYZ	40.8611, 21.0462, 2.2503
YIQ	77.3140, 147.5320, 57.5800

Conversions

Conversions Part 2

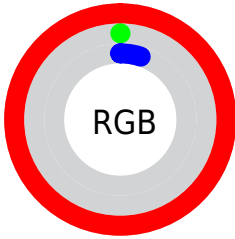
Format	Color
RYB	254, 0, 12
Decimal	16646156
CIELab	53.00, 79.95, 64.08
CIELCh	53, 102.461, 38.712
Yxy	21.0462, 0.6369, 0.3280
Android (android.graphics.Color)	4294836236 (0xFFFE000C)
YUV	77.3140, -32.1998, 154.9536
Hunter-Lab	45.8761, 78.7038, 29.2049

Details

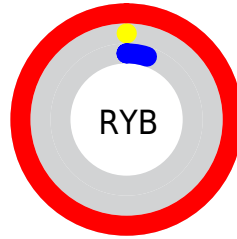
The CIELCh color **53, 102.461, 38.712** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **90, 51.937, 189.370**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 76.565, 39.723**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **53, 102.429, 38.732**, and if you desaturate by 10%, it is **54, 95.833, 35.530**.

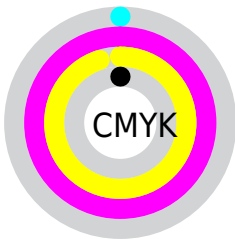
Distribution



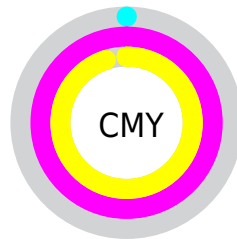
- Red (100%)
- Green (0%)
- Blue (5%)



- Red (100%)
- Yellow (0%)
- Blue (5%)



- Cyan (0%)
- Magenta (100%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 102.461, 38.712 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 53, 102.461, 38.712 by changing the saturation by 10% instead.


 53, 102.461,
38.712


 53, 102.461,
38.712


 100, 102.461,
38.712


 43, 102.461,
38.712


 73, 102.461,
38.712

 33, 102.461,
38.712

 83, 102.461,
38.712

 23, 102.461,
38.712

 93, 102.461,
38.712

 13, 102.461,
38.712

 3, 102.461, 38.712

 0, 102.461, 38.712

■ 53, 102.461,
38.712

■ 53, 102.461,
38.712

■ 53, 102.429,
38.732

■ 54, 95.833, 35.530

■ 56, 86.474, 31.455

■ 59, 75.724, 27.624

■ 63, 64.257, 24.426

■ 68, 52.529, 21.893

■ 74, 40.924, 19.925

■ 80, 29.735, 18.397

■ 86, 19.143, 17.198

■ 93, 9.228, 16.225

Harmonies

Complementary

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



53, 102.461, 38.712



90, 51.937, 189.370

Rectangle

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



53, 102.461, 38.712



53, 102.461, 88.712



53, 102.461, 218.712



53, 102.461, 268.712

Sweetspot

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



53, 102.429, 38.732



80, 29.849, 18.398



58, 115.468, 326.234



40, 20.649, 18.997



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53, 102.429, 38.732



53, 102.802, 38.738



64, 87.363, 55.868



49, 5.257, 16.180



40, 82.253, 38.230



10, 32.991, 25.311

Inverse Universe

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



53, 102.429, 38.732



53, 102.802, 38.738



58, 66.200, 279.719



49, 5.257, 16.180



40, 82.253, 38.230



10, 32.991, 25.311

Previews

White Background



This preview shows how the CIELCh color 53, 102.461, 38.712 looks on a white background.

Color Contrast Check

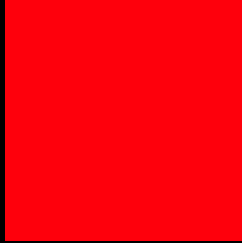
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 102.461, 38.712 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 53, 102.461, 38.712

Background



This preview shows how black text looks on a background with the CIELCh color 53, 102.461, 38.712.



This preview shows how white text looks on a background with the CIELCh color 53, 102.461, 38.712.

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

53, 102.461, 38.712

Protanopia

53, 49.409, 95.132

Deuteranopia

53, 59.639, 84.347



Tritanopia
53, 102.318, 40.799

Trichromacy



Original Color
53, 102.461, 38.712



Protanomaly
47, 62.430, 51.519



Deuteranomaly
48, 72.468, 52.491



Tritanomaly
53, 102.589, 40.008

Monochromacy



Original Color
53, 102.461, 38.712



Achromatopsia
33, 0.005, 296.813



Achromatomaly
34, 43.516, 25.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 102.461, 38.712 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(254, 0, 12)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 12)  
}
```

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(254, 0, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 102.461, 38.712 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(254, 0, 12) }
```

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

```
.border{ border-color:rgb(254, 0, 12) }
```

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

Here you see how a box with a 4 pixel rgb(254, 0, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(254, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 102.461, 38.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 12) }
```

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

```
.background{ background-color: rgb(254, 0,  
12) }
```

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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