

Converting Colors

CIELCh(53, 101.138, 38.070)

Have a look what the booklet for
CIELCh(53, 101.138, 38.070)
contains.

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Color

CIELCh(53, 100.960, 38.001)

Conversions

Conversions Part 1

Format	Color
Hex	FD0412
RGB	253, 4, 18
RGB Percent	99%, 2%, 7%
CMY	0.0070, 0.9851, 0.9287
CMYK	0.00, 0.98, 0.93, 0.01
HSL	357°, 99%, 50%
HSV	357°, 98%, 99%
XYZ	40.7333, 21.0462, 2.4950
YIQ	80.0470, 143.9100, 57.1420

Conversions

Conversions Part 2

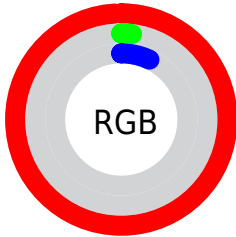
Format	Color
RYB	253, 4, 18
Decimal	16581650
CIELab	53.00, 79.56, 62.16
CIElCh	53, 100.960, 38.001
Yxy	21.0462, 0.6337, 0.3274
Android (android.graphics.Color)	4294771730 (0xFFFD0412)
YUV	80.0470, -30.5892, 151.6798
Hunter-Lab	45.8761, 78.2066, 28.8887

Details

The CIELCh color **53, 100.960, 38.001** 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, 52.285, 187.897**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 75.194, 38.767**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **53, 101.782, 38.387**, and if you desaturate by 10%, it is **54, 93.742, 34.311**.

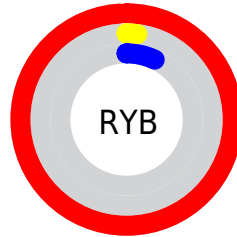
Distribution



Red (99%)

Green (2%)

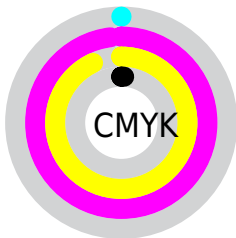
Blue (7%)



Red (99%)

Yellow (2%)

Blue (7%)

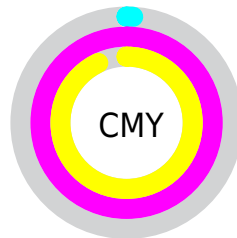


Cyan (0%)

Magenta (98%)

Yellow (93%)

Black (1%)



Cyan (1%)


Magenta (99%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 100.960, 38.001 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, 100.960, 38.001 by changing the saturation by 10% instead.


 53, 100.960,
38.001


 53, 100.960,
38.001


 100, 100.960,
38.001


 43, 100.960,
38.001


 73, 100.960,
38.001

 33, 100.960,
38.001

 83, 100.960,
38.001

 23, 100.960,
38.001

 93, 100.960,
38.001

 13, 100.960,
38.001

 3, 100.960, 38.001

 0, 100.960, 38.001

■ 53, 100.960,
38.001

■ 53, 100.960,
38.001

■ 53, 101.782,
38.387

■ 54, 93.742, 34.311

■ 56, 84.225, 30.119

■ 59, 73.508, 26.324

■ 64, 62.135, 23.205

■ 69, 50.530, 20.746

■ 74, 39.068, 18.834

■ 80, 28.027, 17.344

■ 87, 17.577, 16.165

■ 94, 7.790, 15.191

Harmonies

Complementary

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



53, 100.960, 38.001



90, 52.285, 187.897

Rectangle

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



53, 100.960, 38.001



53, 100.960, 88.001



53, 100.960, 218.001



53, 100.960, 268.001

Sweetspot

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



53, 100.956, 38.003



80, 29.823, 17.547



57, 115.123, 325.603



40, 20.622, 18.153



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, 100.956, 38.003



53, 102.345, 38.398



64, 87.090, 55.028



50, 5.261, 15.285



40, 81.831, 37.828



10, 32.906, 24.860

Inverse Universe

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



53, 100.956, 38.003



53, 102.345, 38.398



59, 62.925, 277.012



50, 5.261, 15.285



40, 81.831, 37.828



10, 32.906, 24.860

Previews

White Background



This preview shows how the CIELCh color 53, 100.960, 38.001 looks on a white background.

Color Contrast Check

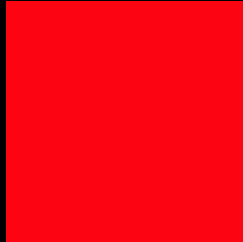
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 100.960, 38.001 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, 100.960, 38.001

Background



This preview shows how black text looks on a background with the CIELCh color 53, 100.960, 38.001.



This preview shows how white text looks on a background with the CIELCh color 53, 100.960, 38.001.

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, 100.914, 38.031

Protanopia

53, 47.313, 95.603

Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 101.999, 40.807

Trichromacy



Original Color
53, 100.914, 38.031



Protanomaly
47, 59.794, 51.004



Deuteranomaly
48, 71.921, 52.121



Tritanomaly
53, 101.759, 39.727

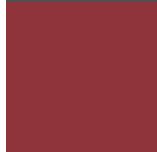
Monochromacy



Original Color
53, 100.914, 38.031



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 42.483, 23.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 100.960, 38.001 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(253, 4, 18)` looks like.

```
.text, #text, p{  
    color:rgb(253, 4, 18)  
}
```

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(253, 4, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 4, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 100.960, 38.001 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(253, 4, 18) }
```

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

```
.border{ border-color:rgb(253, 4, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 4, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 4, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 4, 18);  
box-shadow:4px 4px 4px 4px rgb(253, 4, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 100.960, 38.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 4, 18) }
```

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

```
.background{ background-color: rgb(253, 4,  
18) }
```

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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