

Converting Colors

CIELCh(53, 103.750, 40.019)

Have a look what the booklet for
CIELCh(53, 103.750, 40.019)
contains.

CIELCh(53, 103.603, 40.001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 103.603, 40.001)

Conversions

Conversions Part 1

Format	Color
Hex	FD0501
RGB	253, 5, 1
RGB Percent	99%, 2%, 0%
CMY	0.0068, 0.9801, 0.9951
CMYK	0.00, 0.98, 1.00, 0.01
HSL	1°, 99%, 50%
HSV	1°, 100%, 99%
XYZ	40.6707, 21.0462, 1.9548
YIQ	78.6960, 149.0920, 51.3320

Conversions

Conversions Part 2

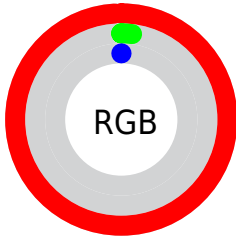
Format	Color
RYB	253, 5, 1
Decimal	16581889
CIELab	53.00, 79.36, 66.60
CIElCh	53, 103.603, 40.001
Yxy	21.0462, 0.6388, 0.3305
Android (android.graphics.Color)	4294771969 (0xFFFD0501)
YUV	78.6960, -38.3041, 152.8646
Hunter-Lab	45.8761, 77.9631, 29.5869

Details

The CIELCh color **53, 103.603, 40.001** 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 **89, 48.762, 198.797**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.110, 41.782**, and **38, 82.169, 39.998** is the 20% darker color. If you saturate the color by 10%, you get **53, 103.858, 40.107**, and if you desaturate by 10%, it is **54, 97.489, 37.793**.

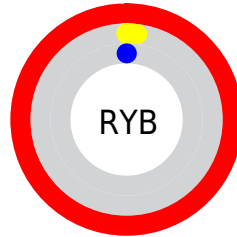
Distribution



Red (99%)

Green (2%)

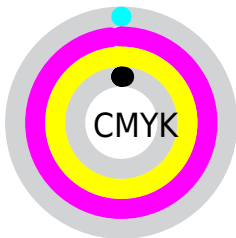
Blue (0%)



Red (99%)

Yellow (2%)

Blue (0%)

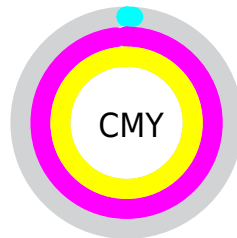


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 103.603, 40.001 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, 103.603, 40.001 by changing the saturation by 10% instead.


 53, 103.603,
40.001


 53, 103.603,
40.001


 100, 103.603,
40.001


 43, 103.603,
40.001


 73, 103.603,
40.001

 33, 103.603,
40.001

 83, 103.603,
40.001

 23, 103.603,
40.001

 93, 103.603,
40.001

 13, 103.603,
40.001

 3, 103.603, 40.001

 0, 103.603, 40.001

■ 53, 103.603,
40.001

■ 53, 103.603,
40.001

■ 53, 103.858,
40.107

■ 54, 97.489, 37.793

■ 56, 87.730, 34.521

■ 59, 76.246, 31.189

■ 63, 64.143, 28.337

■ 68, 51.989, 26.069

■ 74, 40.163, 24.323

■ 80, 28.915, 22.992

■ 86, 18.380, 21.976

■ 93, 8.604, 21.171

Harmonies

Complementary

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



53, 103.603, 40.001



89, 48.762, 198.797

Rectangle

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



53, 103.603, 40.001



53, 103.603, 90.001



53, 103.603, 220.001



53, 103.603, 270.001

Sweetspot

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



53, 103.599, 40.003



80, 29.621, 23.051



60, 114.892, 328.230



40, 20.531, 23.576



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, 103.599, 40.003



53, 104.394, 40.106



67, 84.907, 59.936



50, 5.175, 21.172



40, 84.020, 40.152



10, 33.054, 27.912

Inverse Universe

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



89, 48.762, 198.797



90, 49.034, 198.808



54, 72.886, 284.795



52, 4.870, 200.290



69, 39.508, 198.765



23, 18.222, 198.473

Previews

White Background



This preview shows how the CIE LCh color 53, 103.603, 40.001 looks on a white background.

Color Contrast Check

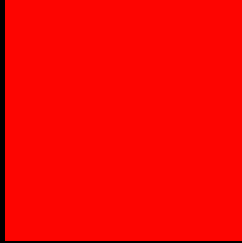
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 53, 103.603, 40.001 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, 103.603, 40.001

Background



This preview shows how black text looks on a background with the CIELCh color 53, 103.603, 40.001.



This preview shows how white text looks on a background with the CIELCh color 53, 103.603, 40.001.

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, 103.556, 40.029

Protanopia

53, 50.540, 95.176

Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 101.999, 40.807

Trichromacy



Original Color
53, 103.556, 40.029



Protanomaly
48, 63.781, 53.765



Deuteranomaly
49, 73.025, 53.331



Tritanomaly
53, 102.833, 40.483

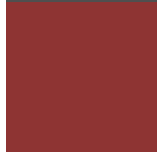
Monochromacy



Original Color
53, 103.556, 40.029



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 43.438, 28.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 103.603, 40.001 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, 5, 1)` looks like.

```
.text, #text, p{  
    color:rgb(253, 5, 1)  
}
```

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, 5, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 5, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 103.603, 40.001 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, 5, 1) }
```

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

```
.border{ border-color:rgb(253, 5, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 5, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 5, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(253, 5, 1); box-shadow:4px  
4px 4px 4px rgb(253, 5, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 103.603, 40.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 5, 1) }
```

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

```
.background{ background-color: rgb(253, 5,  
1) }
```

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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