

Converting Colors

CIELCh(53, 103.231, 40.327)

Have a look what the booklet for
CIELCh(53, 103.231, 40.327)
contains.

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Color

CIELCh(53, 103.381, 40.339)

Conversions

Conversions Part 1

Format	Color
Hex	FD0B00
RGB	253, 11, 0
RGB Percent	99%, 4%, 0%
CMY	0.0093, 0.9576, 1.0000
CMYK	0.00, 0.96, 1.00, 0.01
HSL	3°, 100%, 50%
HSV	3°, 100%, 99%
XYZ	40.4885, 21.0462, 1.9188
YIQ	82.1040, 147.7630, 47.8830

Conversions

Conversions Part 2

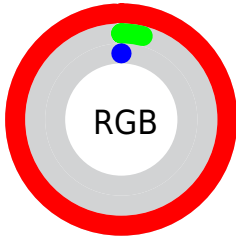
Format	Color
RYB	253, 12, 0
Decimal	16583424
CIELab	53.00, 78.80, 66.92
CIElCh	53, 103.381, 40.339
Yxy	21.0462, 0.6381, 0.3317
Android (android.graphics.Color)	4294773504 (0xFFFD0B00)
YUV	82.1040, -40.4773, 149.8758
Hunter-Lab	45.8761, 77.2542, 29.6334

Details

The CIELCh color **53, 103.381, 40.339** 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 **87, 46.919, 203.557**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 77.903, 42.080**, and **38, 82.169, 39.998** is the 20% darker color. If you saturate the color by 10%, you get **53, 103.324, 40.304**, and if you desaturate by 10%, it is **54, 97.032, 38.418**.

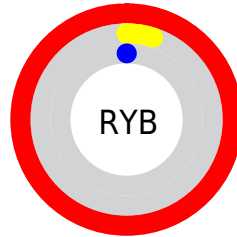
Distribution



Red (99%)

Green (4%)

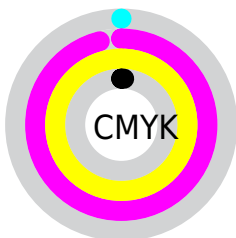
Blue (0%)



Red (99%)

Yellow (5%)

Blue (0%)

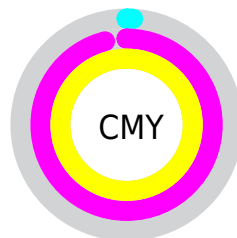


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (96%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 103.381, 40.339 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, 103.381, 40.339 by changing the saturation by 10% instead.


 53, 103.381,
40.339


 53, 103.381,
40.339


 100, 103.381,
40.339


 43, 103.381,
40.339


 73, 103.381,
40.339

 33, 103.381,
40.339

 83, 103.381,
40.339

 23, 103.381,
40.339

 93, 103.381,
40.339

 13, 103.381,
40.339

 3, 103.381, 40.339

 0, 103.381, 40.339

■ 53, 103.381,
40.339

■ 53, 103.381,
40.339

■ 53, 103.324,
40.304

■ 54, 97.032, 38.418

■ 56, 87.131, 35.556

■ 60, 75.537, 32.572

■ 64, 63.422, 29.993

■ 69, 51.360, 27.937

■ 74, 39.702, 26.355

■ 80, 28.665, 25.159

■ 86, 18.359, 24.256

■ 93, 8.813, 23.554

Harmonies

Complementary

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



53, 103.381, 40.339



87, 46.919, 203.557

Rectangle

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



53, 103.381, 40.339



53, 103.381, 90.339



53, 103.381, 220.339



53, 103.381, 270.339

Sweetspot

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



53, 103.324, 40.304



81, 28.885, 25.161



59, 111.738, 329.630



40, 20.032, 25.625



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, 103.324, 40.304



53, 104.064, 40.301



68, 83.854, 62.632



50, 5.038, 23.522



40, 83.642, 40.431



10, 32.507, 29.266

Inverse Universe

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



87, 46.919, 203.557



88, 47.251, 203.561



52, 78.139, 288.061



52, 4.737, 202.833



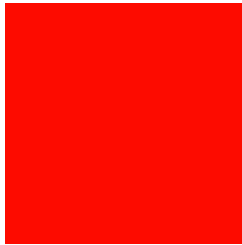
68, 38.093, 203.430



23, 17.638, 202.534

Previews

White Background



This preview shows how the CIELCh color 53, 103.381, 40.339 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, 103.381, 40.339 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, 103.381, 40.339

Background



This preview shows how black text looks on a background with the CIELCh color 53, 103.381, 40.339.



This preview shows how white text looks on a background with the CIELCh color 53, 103.381, 40.339.

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, 103.432, 40.309

Protanopia
53, 50.459, 95.711

Deuteranopia
53, 59.517, 83.789



Tritanopia
53, 101.999, 40.807

Trichromacy



Original Color
53, 103.432, 40.309



Protanomaly
48, 63.055, 54.867



Deuteranomaly
49, 72.255, 54.188



Tritanomaly
53, 102.630, 40.607

Monochromacy



Original Color
53, 103.432, 40.309



Achromatopsia
35, 0.005, 296.813



Achromatomaly
36, 42.873, 30.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 103.381, 40.339 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, 11, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 11, 0)  
}
```

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, 11, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 11, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 103.381, 40.339 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, 11, 0) }
```

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

```
.border{ border-color:rgb(253, 11, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 11, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 11, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 11, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 11, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 103.381, 40.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 11, 0) }
```

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

```
.background{ background-color: rgb(253, 11,  
0) }
```

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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