

Converting Colors

CIELCh(53, 103.212, 40.441)

Have a look what the booklet for
CIELCh(53, 103.212, 40.441)
contains.

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Color

CIELCh(53, 103.012, 40.375)

Conversions

Conversions Part 1

Format	Color
Hex	FC0E00
RGB	252, 14, 0
RGB Percent	99%, 5%, 0%
CMY	0.0108, 0.9460, 0.9992
CMYK	0.00, 0.95, 1.00, 0.01
HSL	3°, 100%, 49%
HSV	3°, 100%, 99%
XYZ	40.3843, 21.0462, 1.9399
YIQ	83.5660, 146.3420, 46.1020

Conversions

Conversions Part 2

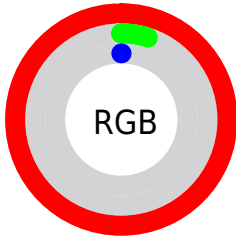
Format	Color
RYB	252, 15, 0
Decimal	16518656
CIELab	53.00, 78.48, 66.73
CIELCh	53, 103.012, 40.375
Yxy	21.0462, 0.6373, 0.3321
Android (android.graphics.Color)	4294708736 (0xFFFC0E00)
YUV	83.5660, -41.1980, 147.7166
Hunter-Lab	45.8761, 76.8486, 29.6062

Details

The CIELCh color **53, 103.012, 40.375** 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 **86, 46.240, 205.545**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 77.696, 42.381**, and **38, 81.836, 39.996** is the 20% darker color. If you saturate the color by 10%, you get **53, 103.053, 40.393**, and if you desaturate by 10%, it is **54, 96.547, 38.617**.

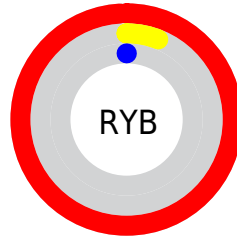
Distribution



Red (99%)

Green (5%)

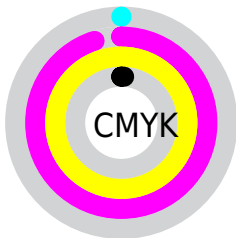
Blue (0%)



Red (99%)

Yellow (6%)

Blue (0%)

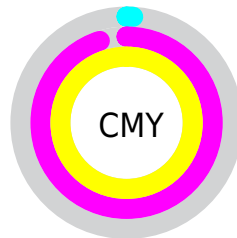


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 103.012, 40.375 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, 103.012, 40.375 by changing the saturation by 10% instead.


 53, 103.012,
40.375


 53, 103.012,
40.375


 100, 103.012,
40.375


 43, 103.012,
40.375


 73, 103.012,
40.375

 33, 103.012,
40.375

 83, 103.012,
40.375

 23, 103.012,
40.375

 93, 103.012,
40.375

 13, 103.012,
40.375

 3, 103.012, 40.375

 0, 103.012, 40.375

■ 53, 103.012,
40.375

■ 53, 103.012,
40.375

■ 53, 103.053,
40.393

■ 54, 96.547, 38.617

■ 56, 86.531, 35.902

■ 60, 74.884, 33.063

■ 64, 62.772, 30.608

■ 69, 50.763, 28.652

■ 74, 39.192, 27.150

■ 80, 28.262, 26.019

■ 86, 18.069, 25.171

■ 93, 8.635, 24.515

Harmonies

Complementary

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



53, 103.012, 40.375



86, 46.240, 205.545

Rectangle

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



53, 103.012, 40.375



53, 103.012, 90.375



53, 103.012, 220.375



53, 103.012, 270.375

Sweetspot

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



53, 103.008, 40.377



81, 28.604, 26.029



59, 110.116, 330.366



40, 19.841, 26.468



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, 103.008, 40.377



54, 103.917, 40.389



69, 83.240, 64.128



49, 4.904, 24.489



40, 82.651, 40.551



10, 31.094, 28.880

Inverse Universe

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



86, 46.240, 205.545



87, 46.624, 205.558



51, 80.536, 289.425



51, 4.611, 203.882



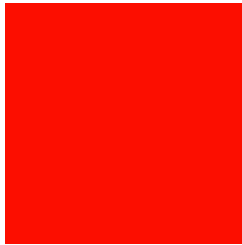
66, 37.222, 205.380



21, 16.977, 204.167

Previews

White Background



This preview shows how the CIELCh color 53, 103.012, 40.375 looks on a white background.

Color Contrast Check

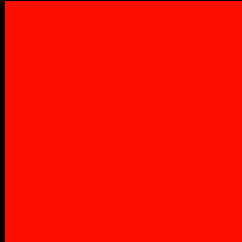
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.012, 40.375 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, 103.012, 40.375

Background



This preview shows how black text looks on a background with the CIELCh color 53, 103.012, 40.375.



This preview shows how white text looks on a background with the CIELCh color 53, 103.012, 40.375.

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, 102.955, 40.409

Protanopia
53, 50.823, 95.721

Deuteranopia
53, 59.517, 83.789



Tritanopia
53, 101.999, 40.807

Trichromacy



Original Color
53, 102.955, 40.409

Protanomaly
48, 63.156, 55.522

Deuteranomaly
49, 72.058, 54.547

Tritanomaly
53, 102.238, 40.658

Monochromacy



Original Color
53, 102.955, 40.409

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 42.232, 30.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 103.012, 40.375 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(252, 14, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 14, 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(252, 14, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 14, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 103.012, 40.375 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(252, 14, 0) }
```

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

```
.border{ border-color:rgb(252, 14, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 14, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 14, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 14, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 14, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 103.012, 40.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 14, 0) }
```

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

```
.background{ background-color: rgb(252, 14,  
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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