

Converting Colors

CIELCh(53, 104.003, 40.282)

Have a look what the booklet for
CIELCh(53, 104.003, 40.282)
contains.

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Color

CIELCh(53, 103.715, 40.140)

Conversions

Conversions Part 1

Format	Color
Hex	FD0600
RGB	253, 6, 0
RGB Percent	99%, 2%, 0%
CMY	0.0070, 0.9772, 0.9993
CMYK	0.00, 0.98, 1.00, 0.01
HSL	1°, 100%, 50%
HSV	1°, 100%, 99%
XYZ	40.6461, 21.0462, 1.9253
YIQ	79.1690, 149.1380, 50.4980

Conversions

Conversions Part 2

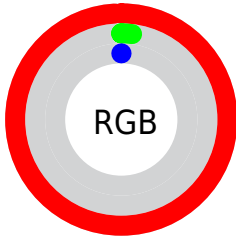
Format	Color
RYB	253, 6, 0
Decimal	16582144
CIELab	53.00, 79.29, 66.86
CIELCh	53, 103.715, 40.140
Yxy	21.0462, 0.6389, 0.3308
Android (android.graphics.Color)	4294772224 (0xFFFD0600)
YUV	79.1690, -39.0303, 152.4498
Hunter-Lab	45.8761, 77.8671, 29.6250

Details

The CIELCh color **53, 103.715, 40.140** 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, 48.287, 199.989**, 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, 103.750, 40.157**, and if you desaturate by 10%, it is **54, 97.650, 38.030**.

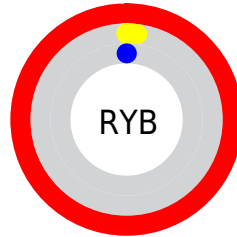
Distribution



Red (99%)

Green (2%)

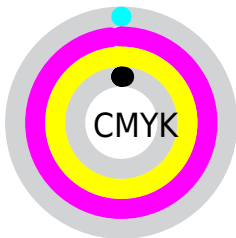
Blue (0%)



Red (99%)

Yellow (2%)

Blue (0%)

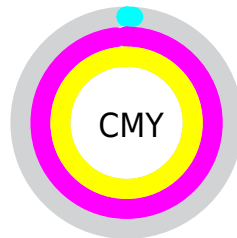


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 103.715, 40.140 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, 103.715, 40.140 by changing the saturation by 10% instead.


 53, 103.715,
40.140


 53, 103.715,
40.140


 100, 103.715,
40.140


 43, 103.715,
40.140


 73, 103.715,
40.140

 33, 103.715,
40.140

 83, 103.715,
40.140

 23, 103.715,
40.140

 93, 103.715,
40.140

 13, 103.715,
40.140

 3, 103.715, 40.140

 0, 103.715, 40.140

■ 53, 103.715,
40.140

■ 53, 103.715,
40.140

■ 53, 103.750,
40.157

■ 54, 97.650, 38.030

■ 56, 87.928, 34.881

■ 59, 76.439, 31.629

■ 63, 64.335, 28.830

■ 68, 52.195, 26.600

■ 74, 40.394, 24.881

■ 80, 29.178, 23.574

■ 86, 18.678, 22.578

■ 93, 8.937, 21.795

Harmonies

Complementary

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



53, 103.715, 40.140



89, 48.287, 199.989

Rectangle

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



53, 103.715, 40.140



53, 103.715, 90.140



53, 103.715, 220.140



53, 103.715, 270.140

Sweetspot

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



53, 103.711, 40.142



80, 29.427, 23.584



60, 113.421, 328.917



40, 20.400, 24.093



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, 103.711, 40.142



53, 104.309, 40.156



67, 84.505, 61.215



50, 5.139, 21.764



40, 83.922, 40.224



10, 32.910, 28.260

Inverse Universe

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



89, 48.287, 199.989



89, 48.549, 199.992



53, 75.684, 286.552



52, 4.835, 200.931



69, 39.124, 199.928



23, 18.064, 199.489

Previews

White Background



This preview shows how the CIELCh color 53, 103.715, 40.140 looks on a white background.

Color Contrast Check

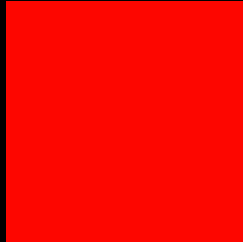
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.715, 40.140 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, 103.715, 40.140

Background



This preview shows how black text looks on a background with the CIELCh color 53, 103.715, 40.140.



This preview shows how white text looks on a background with the CIELCh color 53, 103.715, 40.140.

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, 103.668, 40.168

Protanopia
53, 50.540, 95.176

Deuteranopia
53, 59.517, 83.789



Tritanopia
53, 101.999, 40.807

Trichromacy



Original Color
53, 103.668, 40.168

Protanomaly
48, 63.609, 54.215

Deuteranomaly
49, 73.025, 53.331

Tritanomaly
53, 102.768, 40.522

Monochromacy



Original Color
53, 103.668, 40.168

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 43.671, 29.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 103.715, 40.140 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, 6, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 6, 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, 6, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 6, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 103.715, 40.140 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, 6, 0) }
```

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

```
.border{ border-color:rgb(253, 6, 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, 6, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 6, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(253, 6, 0); box-shadow:4px  
4px 4px 4px rgb(253, 6, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 103.715, 40.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 6, 0) }
```

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

```
.background{ background-color: rgb(253, 6,  
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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