

Converting Colors

CIELCh(53, 103.103, 39.524)

Have a look what the booklet for
CIELCh(53, 103.103, 39.524)
contains.

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Color

CIELCh(53, 103.030, 39.537)

Conversions

Conversions Part 1

Format	Color
Hex	FD0405
RGB	253, 4, 5
RGB Percent	99%, 2%, 2%
CMY	0.0066, 0.9834, 0.9791
CMYK	0.00, 0.98, 0.98, 0.01
HSL	360°, 99%, 51%
HSV	360°, 98%, 99%
XYZ	40.7014, 21.0462, 2.0701
YIQ	78.5650, 148.0830, 53.0990

Conversions

Conversions Part 2

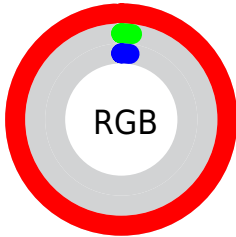
Format	Color
RYB	253, 4, 5
Decimal	16581637
CIELab	53.00, 79.46, 65.59
CIELCh	53, 103.030, 39.537
Yxy	21.0462, 0.6378, 0.3298
Android (android.graphics.Color)	4294771717 (0xFFFD0405)
YUV	78.5650, -36.2675, 152.9795
Hunter-Lab	45.8761, 78.0826, 29.4380

Details

The CIELCh color **53, 103.030, 39.537** 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 **91, 49.936, 195.721**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 77.521, 41.213**, and **38, 82.169, 39.998** is the 20% darker color. If you saturate the color by 10%, you get **53, 103.878, 39.878**, and if you desaturate by 10%, it is **54, 96.622, 36.989**.

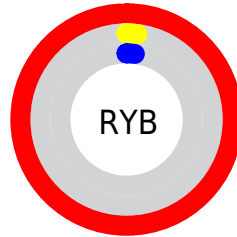
Distribution



Red (99%)

Green (2%)

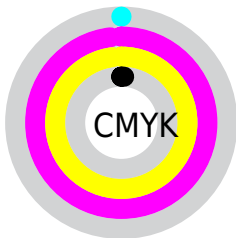
Blue (2%)



Red (99%)

Yellow (2%)

Blue (2%)

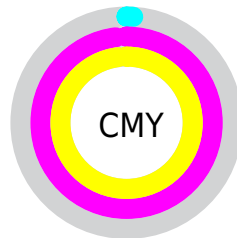


Cyan (0%)

Magenta (98%)

Yellow (98%)

Black (1%)



Cyan (1%)


Magenta (98%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 103.030, 39.537 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, 103.030, 39.537 by changing the saturation by 10% instead.


 53, 103.030,
39.537


 53, 103.030,
39.537


 100, 103.030,
39.537


 43, 103.030,
39.537


 73, 103.030,
39.537

 33, 103.030,
39.537

 83, 103.030,
39.537

 23, 103.030,
39.537

 93, 103.030,
39.537

 13, 103.030,
39.537

 3, 103.030, 39.537

 0, 103.030, 39.537

■ 53, 103.030,
39.537

■ 53, 103.030,
39.537

■ 53, 103.878,
39.878

■ 54, 96.622, 36.989

■ 56, 86.742, 33.392

■ 59, 75.304, 29.879

■ 64, 63.254, 26.921

■ 69, 51.121, 24.585

■ 74, 39.288, 22.786

■ 81, 28.013, 21.410

■ 87, 17.440, 20.349

■ 94, 7.616, 19.494

Harmonies

Complementary

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



53, 103.030, 39.537



91, 49.936, 195.721

Rectangle

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



53, 103.030, 39.537



53, 103.030, 89.537



53, 103.030, 219.537



53, 103.030, 269.537

Sweetspot

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



53, 103.026, 39.539



81, 28.907, 21.493



59, 114.789, 327.563



40, 20.148, 22.046



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, 103.026, 39.539



53, 104.399, 39.879



66, 84.951, 58.906



49, 5.253, 19.590



40, 84.027, 39.826



10, 33.331, 27.003

Inverse Universe

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



53, 103.026, 39.539



53, 104.399, 39.879



56, 69.629, 282.593



49, 5.253, 19.590



40, 84.027, 39.826



10, 33.331, 27.003

Previews

White Background



This preview shows how the CIELCh color 53, 103.030, 39.537 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, 103.030, 39.537 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, 103.030, 39.537

Background



This preview shows how black text looks on a background with the CIELCh color 53, 103.030, 39.537.



This preview shows how white text looks on a background with the CIELCh color 53, 103.030, 39.537.

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, 102.984, 39.566

Protanopia

53, 50.540, 95.176

Tritanopia

53, 101.999, 40.807

Trichromacy



Original Color
53, 102.984, 39.566

Protanomaly
48, 63.235, 53.352

Tritanomaly
53, 102.517, 40.263

Monochromacy



Original Color
53, 102.984, 39.566

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 43.213, 27.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 103.030, 39.537 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(253, 4, 5)  
}
```

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, 5) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 53, 103.030, 39.537 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, 5) }
```

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

```
.border{ border-color:rgb(253, 4, 5) }
```

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, 5)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 53, 103.030, 39.537 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, 5) }
```

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

```
.background{ background-color: rgb(253, 4,  
5) }
```

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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