

Converting Colors

CIELCh(53, 103.575, 39.299)

Have a look what the booklet for
CIELCh(53, 103.575, 39.299)
contains.

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Color

CIELCh(53, 103.338, 39.350)

Conversions

Conversions Part 1

Format	Color
Hex	FE0006
RGB	254, 0, 6
RGB Percent	100%, 0%, 2%
CMY	0.0045, 1.0000, 0.9770
CMYK	0.00, 1.00, 0.98, 0.00
HSL	359°, 100%, 50%
HSV	359°, 100%, 100%
XYZ	40.8480, 21.0462, 2.0776
YIQ	76.6300, 149.4580, 55.7140

Conversions

Conversions Part 2

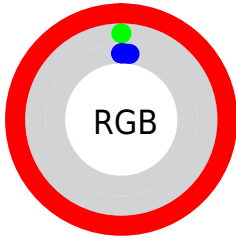
Format	Color
RYB	254, 0, 6
Decimal	16646150
CIELab	53.00, 79.91, 65.52
CIELCh	53, 103.338, 39.350
Yxy	21.0462, 0.6385, 0.3290
Android (android.graphics.Color)	4294836230 (0xFFFE0006)
YUV	76.6300, -34.8206, 155.5535
Hunter-Lab	45.8761, 78.6528, 29.4283

Details

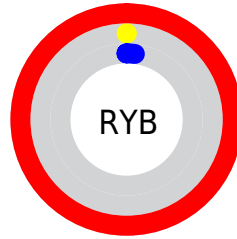
The CIELCh color **53, 103.338, 39.350** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **91, 50.856, 192.839**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 77.438, 40.624**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **53, 103.314, 39.364**, and if you desaturate by 10%, it is **54, 97.165, 36.695**.

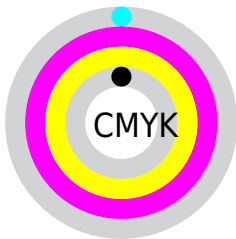
Distribution



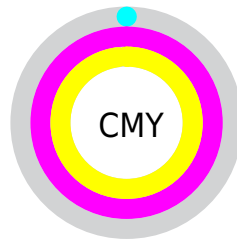
- Red (100%)
- Green (0%)
- Blue (2%)



- Red (100%)
- Yellow (0%)
- Blue (2%)



- Cyan (0%)
- Magenta (100%)
- Yellow (98%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 103.338, 39.350 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, 103.338, 39.350 by changing the saturation by 10% instead.


 53, 103.338,
39.350


 53, 103.338,
39.350


 100, 103.338,
39.350


 43, 103.338,
39.350


 73, 103.338,
39.350

 33, 103.338,
39.350

 83, 103.338,
39.350

 23, 103.338,
39.350

 93, 103.338,
39.350

 13, 103.338,
39.350

 3, 103.338, 39.350

 0, 103.338, 39.350

■ 53, 103.338,
39.350

■ 53, 103.338,
39.350

■ 53, 103.314,
39.364

■ 54, 97.165, 36.695

■ 56, 87.702, 32.910

■ 59, 76.644, 29.210

■ 63, 64.874, 26.081

■ 68, 52.902, 23.597

■ 74, 41.122, 21.674

■ 80, 29.819, 20.192

■ 86, 19.162, 19.042

■ 93, 9.223, 18.118

Harmonies

Complementary

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



53, 103.338, 39.350



91, 50.856, 192.839

Rectangle

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



53, 103.338, 39.350



53, 103.338, 89.350



53, 103.338, 219.350



53, 103.338, 269.350

Sweetspot

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



53, 103.314, 39.364



80, 29.929, 20.193



59, 115.362, 326.895



40, 20.721, 20.772



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, 103.314, 39.364



53, 103.671, 39.368



65, 86.642, 57.130



49, 5.253, 18.076



40, 83.200, 39.100



10, 33.176, 26.256

Inverse Universe

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



53, 103.314, 39.364



53, 103.671, 39.368



57, 68.544, 281.589



49, 5.253, 18.076



40, 83.200, 39.100



10, 33.176, 26.256

Previews

White Background



This preview shows how the CIELCh color 53, 103.338, 39.350 looks on a white background.

Color Contrast Check

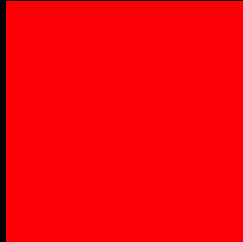
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.338, 39.350 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, 103.338, 39.350

Background



This preview shows how black text looks on a background with the CIELCh color 53, 103.338, 39.350.



This preview shows how white text looks on a background with the CIELCh color 53, 103.338, 39.350.

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, 103.338, 39.350

Protanopia
53, 50.170, 95.162

Deuteranopia
53, 59.639, 84.347



Tritanopia
53, 102.233, 40.852

Trichromacy



Original Color
53, 103.338, 39.350



Protanomaly
47, 63.307, 52.233



Deuteranomaly
48, 72.844, 52.739



Tritanomaly
53, 102.897, 40.223

Monochromacy



Original Color
53, 103.338, 39.350



Achromatopsia
33, 0.005, 296.813



Achromatomaly
34, 43.927, 26.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 103.338, 39.350 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(254, 0, 6)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 6)  
}
```

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(254, 0, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 103.338, 39.350 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(254, 0, 6) }
```

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

```
.border{ border-color:rgb(254, 0, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 0, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(254, 0, 6); box-shadow:4px  
4px 4px 4px rgb(254, 0, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 103.338, 39.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 6) }
```

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

```
.background{ background-color: rgb(254, 0,  
6) }
```

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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