

Converting Colors

CIELCh(53, 103.110, 39.044)

Have a look what the booklet for
CIELCh(53, 103.110, 39.044)
contains.

CIELCh(53, 103.044, 39.138)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	25

Color

CIELCh(53, 103.044, 39.138)

Conversions

Conversions Part 1

Format	Color
Hex	FE0008
RGB	254, 0, 8
RGB Percent	100%, 0%, 3%
CMY	0.0045, 1.0000, 0.9693
CMYK	0.00, 1.00, 0.97, 0.00
HSL	358°, 100%, 50%
HSV	358°, 100%, 100%
XYZ	40.8525, 21.0462, 2.1342
YIQ	76.8580, 148.8160, 56.3360

Conversions

Conversions Part 2

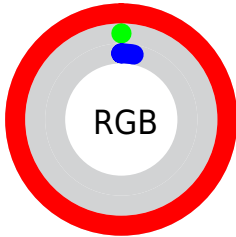
Format	Color
RYB	254, 0, 8
Decimal	16646152
CIELab	53.00, 79.92, 65.04
CIELCh	53, 103.044, 39.138
Yxy	21.0462, 0.6380, 0.3287
Android (android.graphics.Color)	4294836232 (0xFFFE0008)
YUV	76.8580, -33.9470, 155.3535
Hunter-Lab	45.8761, 78.6703, 29.3550

Details

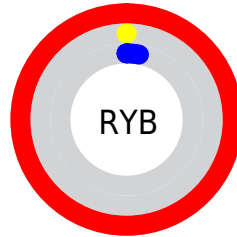
The CIELCh color **53, 103.044, 39.138** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **91, 51.198, 191.668**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 77.146, 40.328**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **53, 103.017, 39.154**, and if you desaturate by 10%, it is **54, 96.728, 36.321**.

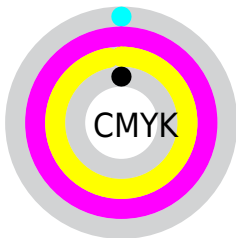
Distribution



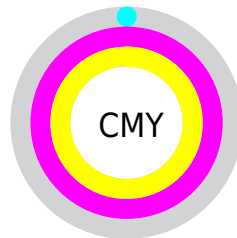
- Red (100%)
- Green (0%)
- Blue (3%)



- Red (100%)
- Yellow (0%)
- Blue (3%)



- Cyan (0%)
- Magenta (100%)
- Yellow (97%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 103.044, 39.138 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, 103.044, 39.138 by changing the saturation by 10% instead.


 53, 103.044,
39.138


 53, 103.044,
39.138


 100, 103.044,
39.138


 43, 103.044,
39.138


 73, 103.044,
39.138

 33, 103.044,
39.138

 83, 103.044,
39.138

 23, 103.044,
39.138

 93, 103.044,
39.138

 13, 103.044,
39.138

 3, 103.044, 39.138

 0, 103.044, 39.138

■ 53, 103.044,
39.138

■ 53, 103.044,
39.138

■ 53, 103.017,
39.154

■ 54, 96.728, 36.321

■ 56, 87.289, 32.434

■ 59, 76.331, 28.688

■ 63, 64.662, 25.534

■ 68, 52.772, 23.032

■ 74, 41.052, 21.093

■ 80, 29.788, 19.596

■ 86, 19.154, 18.428

■ 93, 9.223, 17.487

Harmonies

Complementary

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



53, 103.044, 39.138



91, 51.198, 191.668

Rectangle

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



53, 103.044, 39.138



53, 103.044, 89.138



53, 103.044, 219.138



53, 103.044, 269.138

Sweetspot

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



53, 103.017, 39.154



80, 29.899, 19.597



59, 115.356, 326.895



40, 20.695, 20.182



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, 103.017, 39.154



53, 103.380, 39.159



65, 86.638, 57.131



49, 5.253, 17.444



40, 82.875, 38.805



10, 33.114, 25.942

Inverse Universe

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



53, 103.017, 39.154



53, 103.380, 39.159



57, 68.541, 281.588



49, 5.253, 17.444



40, 82.875, 38.805



10, 33.114, 25.942

Previews

White Background



This preview shows how the CIELCh color 53, 103.044, 39.138 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, 103.044, 39.138 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, 103.044, 39.138

Background



This preview shows how black text looks on a background with the CIELCh color 53, 103.044, 39.138.



This preview shows how white text looks on a background with the CIELCh color 53, 103.044, 39.138.

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, 103.044, 39.138

Protanopia

53, 50.170, 95.162

Tritanopia

53, 102.233, 40.852

Trichromacy



Original Color
53, 103.044, 39.138

Protanomaly
47, 63.307, 52.233

Tritanomaly
53, 102.742, 40.115

Monochromacy



Original Color
53, 103.044, 39.138

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 43.718, 26.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 103.044, 39.138 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 103.044, 39.138 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, 8) }
```

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

```
.border{ border-color:rgb(254, 0, 8) }
```

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, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(254, 0, 8); box-shadow:4px  
4px 4px 4px rgb(254, 0, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 103.044, 39.138 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, 8) }
```

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

```
.background{ background-color: rgb(254, 0,  
8) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor