

Converting Colors

CIELCh(53, 96.597, 33.480)

Have a look what the booklet for
CIELCh(53, 96.597, 33.480) contains.

CIELCh(53, 96.603, 33.766)	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>	26

Color

CIELCh(53, 96.603, 33.766)

Conversions

Conversions Part 1

Format	Color
Hex	FD0027
RGB	253, 0, 39
RGB Percent	99%, 0%, 15%
CMY	0.0064, 1.0000, 0.8487
CMYK	0.00, 1.00, 0.85, 0.01
HSL	351°, 100%, 50%
HSV	351°, 100%, 99%
XYZ	40.9772, 21.0462, 3.7851
YIQ	80.0930, 138.2690, 65.7650

Conversions

Conversions Part 2

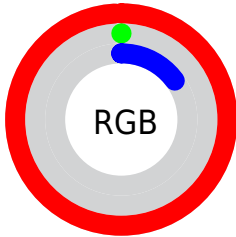
Format	Color
RYB	253, 0, 39
Decimal	16580647
CIELab	53.00, 80.31, 53.69
CIELCh	53, 96.603, 33.766
Yxy	21.0462, 0.6227, 0.3198
Android (android.graphics.Color)	4294770727 (0xFFFD0027)
YUV	80.0930, -20.2588, 151.6394
Hunter-Lab	45.8761, 79.1557, 27.2214

Details

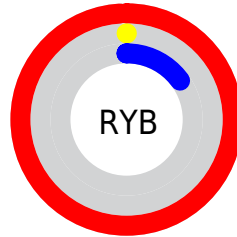
The CIELCh color **53, 96.603, 33.766** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 58.482, 175.635**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 70.893, 32.402**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **53, 96.497, 33.841**, and if you desaturate by 10%, it is **54, 89.624, 28.866**.

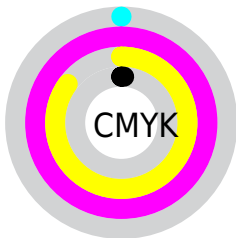
Distribution



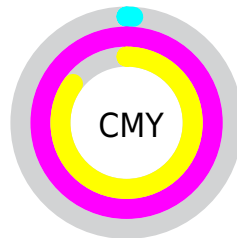
- Red (99%)
- Green (0%)
- Blue (15%)



- Red (99%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 96.603, 33.766 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, 96.603, 33.766 by changing the saturation by 10% instead.

 53, 96.603, 33.766

 53, 96.603, 33.766

 100, 96.603,
33.766

 43, 96.603, 33.766

 73, 96.603, 33.766

 33, 96.603, 33.766

 83, 96.603, 33.766

 23, 96.603, 33.766

 93, 96.603, 33.766

 13, 96.603, 33.766

 3, 96.603, 33.766

 0, 96.603, 33.766

 53, 96.603, 33.766

 53, 96.603, 33.766

 53, 96.497, 33.841

 54, 89.624, 28.866

 56, 81.585, 24.026

■ 59, 72.394, 19.902

■ 63, 62.243, 16.582

■ 68, 51.489, 13.966

■ 74, 40.539, 11.906

■ 80, 29.732, 10.265

■ 86, 19.301, 8.931

■ 93, 9.374, 7.809

Harmonies

Complementary

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



53, 96.603, 33.766



90, 58.482, 175.635

Rectangle

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



53, 96.603, 33.766



53, 96.603, 83.766



53, 96.603, 213.766



53, 96.603, 263.766

Sweetspot

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



53, 96.497, 33.841



80, 29.888, 10.266



53, 116.708, 321.774



40, 20.597, 10.915



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, 96.497, 33.841



53, 96.986, 33.858



59, 93.060, 48.441



50, 5.350, 7.756



40, 77.363, 32.934



10, 32.266, 20.923

Inverse Universe

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



53, 96.497, 33.841



53, 96.986, 33.858



66, 52.173, 263.168



50, 5.350, 7.756



40, 77.363, 32.934



10, 32.266, 20.923

Previews

White Background



This preview shows how the CIELCh color 53, 96.603, 33.766 looks on a white background.

Color Contrast Check

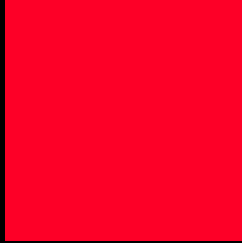
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.603, 33.766 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, 96.603, 33.766

Background



This preview shows how black text looks on a background with the CIELCh color 53, 96.603, 33.766.



This preview shows how white text looks on a background with the CIELCh color 53, 96.603, 33.766.

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, 96.264, 33.718

Protanopia

54, 36.937, 95.437

Deuteranopia

53, 59.699, 83.360



Tritanopia
53, 102.318, 40.799

Trichromacy



Original Color
53, 96.264, 33.718



Protanomaly
47, 52.746, 42.095



Deuteranomaly
48, 70.834, 50.861



Tritanomaly
53, 100.767, 38.916

Monochromacy



Original Color
53, 96.264, 33.718



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 41.911, 17.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 96.603, 33.766 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, 0, 39)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 39)  
}
```

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, 0, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 96.603, 33.766 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, 0, 39) }
```

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

```
.border{ border-color:rgb(253, 0, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 0, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(253, 0, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 96.603, 33.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 39) }
```

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

```
.background{ background-color: rgb(253, 0,  
39) }
```

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