

Converting Colors

CIELCh(53, 98.765, 35.494)

Have a look what the booklet for
CIELCh(53, 98.765, 35.494) contains.

CIELCh(53, 98.585, 35.594)	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, 98.585, 35.594)

Conversions

Conversions Part 1

Format	Color
Hex	FE001F
RGB	254, 0, 31
RGB Percent	100%, 0%, 12%
CMY	0.0057, 1.0000, 0.8797
CMYK	0.00, 1.00, 0.88, 0.01
HSL	353°, 100%, 50%
HSV	353°, 100%, 99%
XYZ	40.9311, 21.0462, 3.1791
YIQ	79.4800, 141.4330, 63.4890

Conversions

Conversions Part 2

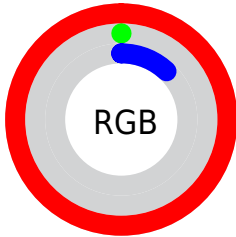
Format	Color
R_{YB}	254, 0, 31
Decimal	16646175
CIE Lab	53.00, 80.17, 57.38
CIE LCh	53, 98.585, 35.594
Yxy	21.0462, 0.6282, 0.3230
Android (android.graphics.Color)	4294836255 (0xFFFE001F)
YUV	79.4800, -23.9006, 153.0540
Hunter-Lab	45.8761, 78.9760, 28.0047

Details

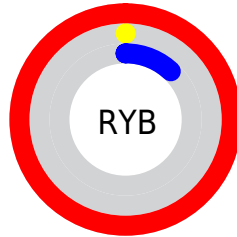
The CIELCh color **53, 98.585, 35.594** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 56.303, 179.362**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 72.428, 35.344**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 98.509, 35.646**, and if you desaturate by 10%, it is **54, 91.417, 31.052**.

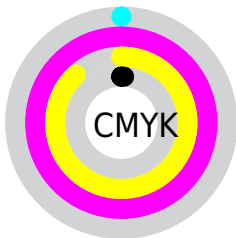
Distribution



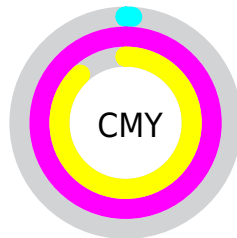
- Red (100%)
- Green (0%)
- Blue (12%)



- Red (100%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 98.585, 35.594 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, 98.585, 35.594 by changing the saturation by 10% instead.

 53, 98.585, 35.594

 53, 98.585, 35.594

 100, 98.585,
35.594

 43, 98.585, 35.594

 73, 98.585, 35.594

 33, 98.585, 35.594

 83, 98.585, 35.594

 23, 98.585, 35.594

 93, 98.585, 35.594

 13, 98.585, 35.594

 3, 98.585, 35.594

 0, 98.585, 35.594

 53, 98.585, 35.594

 53, 98.585, 35.594

 53, 98.509, 35.646

 54, 91.417, 31.052

 56, 82.890, 26.355

■ 59, 73.227, 22.270

■ 63, 62.703, 18.954

■ 68, 51.685, 16.339

■ 74, 40.565, 14.287

■ 80, 29.670, 12.663

■ 86, 19.213, 11.355

■ 93, 9.311, 10.263

Harmonies

Complementary

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



53, 98.585, 35.594



90, 56.303, 179.362

Rectangle

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



53, 98.585, 35.594



53, 98.585, 85.594



53, 98.585, 215.594



53, 98.585, 265.594

Sweetspot

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



53, 98.509, 35.646



80, 29.809, 12.665



54, 116.279, 323.013



40, 20.566, 13.305



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, 98.509, 35.646



53, 98.955, 35.660



61, 91.382, 50.302



50, 5.310, 10.213



40, 78.951, 34.828



10, 32.461, 22.240

Inverse Universe

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



53, 98.509, 35.646



53, 98.955, 35.660



64, 55.684, 268.569



50, 5.310, 10.213



40, 78.951, 34.828



10, 32.461, 22.240

Previews

White Background



This preview shows how the CIELCh color 53, 98.585, 35.594 looks on a white background.

Color Contrast Check

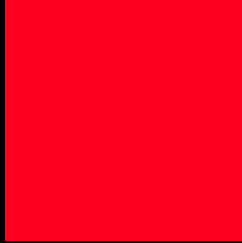
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.585, 35.594 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, 98.585, 35.594

Background



This preview shows how black text looks on a background with the CIELCh color 53, 98.585, 35.594.



This preview shows how white text looks on a background with the CIELCh color 53, 98.585, 35.594.

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, 98.585, 35.594

Protanopia

54, 41.943, 95.268

Deuteranopia

54, 59.816, 83.916



Tritanopia
53, 102.318, 40.799

Trichromacy



Original Color
53, 98.585, 35.594

Protanomaly
47, 56.157, 45.891

Deuteranomaly
48, 71.215, 51.631

Tritanomaly
53, 101.566, 39.274

Monochromacy



Original Color
53, 98.585, 35.594

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 42.304, 19.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 98.585, 35.594 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 98.585, 35.594 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, 31) }
```

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

```
.border{ border-color:rgb(254, 0, 31) }
```

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, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(254, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 98.585, 35.594 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, 31) }
```

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

```
.background{ background-color: rgb(254, 0,  
31) }
```

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