

Converting Colors

CIELCh(53, 98.334, 35.111)

Have a look what the booklet for
CIELCh(53, 98.334, 35.111) contains.

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Color

CIELCh(53, 98.100, 35.163)

Conversions

Conversions Part 1

Format	Color
Hex	FE0021
RGB	254, 0, 33
RGB Percent	100%, 0%, 13%
CMY	0.0059, 1.0000, 0.8719
CMYK	0.00, 1.00, 0.87, 0.01
HSL	352°, 100%, 50%
HSV	352°, 100%, 99%
XYZ	40.9418, 21.0462, 3.3179
YIQ	79.7080, 140.7910, 64.1110

Conversions

Conversions Part 2

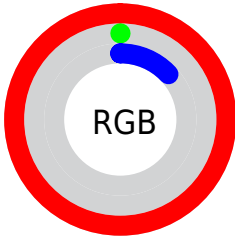
Format	Color
RYB	254, 0, 33
Decimal	16646177
CIELab	53.00, 80.20, 56.50
CIELCh	53, 98.100, 35.163
Yxy	21.0462, 0.6269, 0.3223
Android (android.graphics.Color)	4294836257 (0xFFFE0021)
YUV	79.7080, -23.0270, 152.8541
Hunter-Lab	45.8761, 79.0176, 27.8252

Details

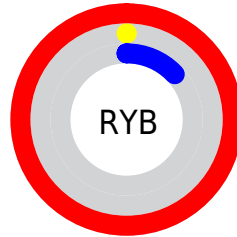
The CIELCh color **53, 98.100, 35.163** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 56.831, 178.404**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 71.903, 34.612**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 98.017, 35.220**, and if you desaturate by 10%, it is **54, 90.961, 30.520**.

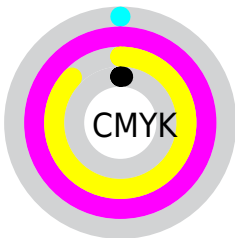
Distribution



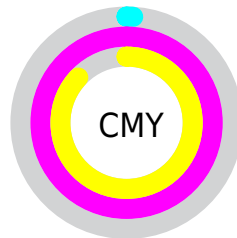
- Red (100%)
- Green (0%)
- Blue (13%)



- Red (100%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 98.100, 35.163 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, 98.100, 35.163 by changing the saturation by 10% instead.

 53, 98.100, 35.163

 53, 98.100, 35.163

 100, 98.100,
35.163

 43, 98.100, 35.163

 73, 98.100, 35.163

 33, 98.100, 35.163

 83, 98.100, 35.163

 23, 98.100, 35.163

 93, 98.100, 35.163

 13, 98.100, 35.163

 3, 98.100, 35.163

 0, 98.100, 35.163

 53, 98.100, 35.163

 53, 98.100, 35.163

 53, 98.017, 35.220

 54, 90.961, 30.520

 56, 82.551, 25.781

■ 59, 73.006, 21.683

■ 63, 62.577, 18.364

■ 68, 51.627, 15.747

■ 74, 40.552, 13.691

■ 80, 29.680, 12.062

■ 86, 19.232, 10.747

■ 93, 9.325, 9.646

Harmonies

Complementary

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



53, 98.100, 35.163



90, 56.831, 178.404

Rectangle

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



53, 98.100, 35.163



53, 98.100, 85.163



53, 98.100, 215.163



53, 98.100, 265.163

Sweetspot

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



53, 98.017, 35.220



80, 29.823, 12.063



54, 116.266, 323.013



40, 20.570, 12.707



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, 98.017, 35.220



53, 98.473, 35.235



61, 91.371, 50.303



50, 5.319, 9.595



40, 78.558, 34.378



10, 32.411, 21.912

Inverse Universe

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



53, 98.017, 35.220



53, 98.473, 35.235



64, 55.677, 268.568



50, 5.319, 9.595



40, 78.558, 34.378



10, 32.411, 21.912

Previews

White Background



This preview shows how the CIE LCh color 53, 98.100, 35.163 looks on a white background.

Color Contrast Check

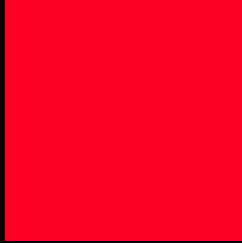
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.100, 35.163 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, 98.100, 35.163

Background



This preview shows how black text looks on a background with the CIELCh color 53, 98.100, 35.163.



This preview shows how white text looks on a background with the CIELCh color 53, 98.100, 35.163.

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, 98.100, 35.163

Protanopia

53, 40.414, 95.791

Deuteranopia

54, 59.816, 83.916



Tritanopia
53, 102.318, 40.799

Trichromacy



Original Color
53, 98.100, 35.163



Protanomaly
47, 55.151, 44.669



Deuteranomaly
48, 71.030, 51.499



Tritanomaly
53, 101.415, 39.163

Monochromacy



Original Color
53, 98.100, 35.163



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 42.122, 18.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 98.100, 35.163 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 98.100, 35.163 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, 33) }
```

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

```
.border{ border-color:rgb(254, 0, 33) }
```

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, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(254, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 98.100, 35.163 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, 33) }
```

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

```
.background{ background-color: rgb(254, 0,  
33) }
```

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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