

Converting Colors

CIELCh(53, 101.313, 37.607)

Have a look what the booklet for
CIELCh(53, 101.313, 37.607)
contains.

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Color

CIELCh(53, 101.231, 37.779)

Conversions

Conversions Part 1

Format	Color
Hex	FE0013
RGB	254, 0, 19
RGB Percent	100%, 0%, 7%
CMY	0.0050, 1.0000, 0.9264
CMYK	0.00, 1.00, 0.93, 0.00
HSL	356°, 100%, 50%
HSV	356°, 100%, 100%
XYZ	40.8808, 21.0462, 2.5139
YIQ	78.1120, 145.2850, 59.7570

Conversions

Conversions Part 2

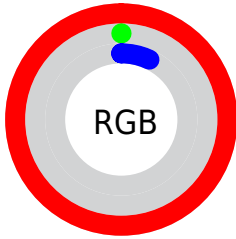
Format	Color
R_{YB}	254, 0, 19
Decimal	16646163
CIE _{Lab}	53.00, 80.01, 62.02
CIE _{LCh}	53, 101.231, 37.779
Yxy	21.0462, 0.6344, 0.3266
Android (android.graphics.Color)	4294836243 (0xFFFE0013)
YUV	78.1120, -29.1422, 154.2538
Hunter-Lab	45.8761, 78.7805, 28.8644

Details

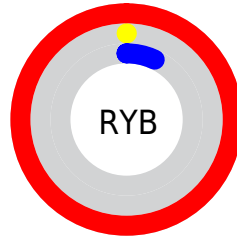
The CIELCh color **53, 101.231, 37.779** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **90, 53.395, 185.492**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 75.415, 38.464**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 101.187, 37.807**, and if you desaturate by 10%, it is **54, 94.211, 34.008**.

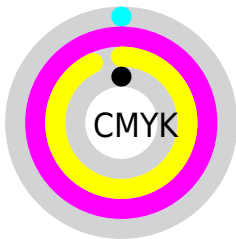
Distribution



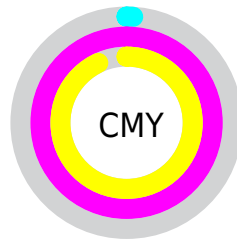
- Red (100%)
- Green (0%)
- Blue (7%)



- Red (100%)
- Yellow (0%)
- Blue (7%)



- Cyan (0%)
- Magenta (100%)
- Yellow (93%)
- Black (0%)





- Cyan (1%)
- Magenta (100%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 101.231, 37.779 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, 101.231, 37.779 by changing the saturation by 10% instead.


 53, 101.231,
37.779


 53, 101.231,
37.779


 100, 101.231,
37.779


 43, 101.231,
37.779


 73, 101.231,
37.779

 33, 101.231,
37.779

 83, 101.231,
37.779

 23, 101.231,
37.779

 93, 101.231,
37.779

 13, 101.231,
37.779

 3, 101.231, 37.779

 0, 101.231, 37.779

■ 53, 101.231,
37.779

■ 53, 101.231,
37.779

■ 53, 101.187,
37.807

■ 54, 94.211, 34.008

■ 56, 85.086, 29.653

■ 59, 74.724, 25.701

■ 63, 63.611, 22.441

■ 68, 52.156, 19.865

■ 74, 40.743, 17.855

■ 80, 29.676, 16.283

■ 86, 19.146, 15.036

■ 93, 9.248, 14.011

Harmonies

Complementary

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



53, 101.231, 37.779



90, 53.395, 185.492

Rectangle

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



53, 101.231, 37.779



53, 101.231, 87.779



53, 101.231, 217.779



53, 101.231, 267.779

Sweetspot

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



53, 101.187, 37.807



80, 29.797, 16.284



56, 115.747, 324.926



40, 20.592, 16.902



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, 101.187, 37.807



53, 101.582, 37.817



63, 88.911, 53.488



50, 5.270, 13.964



40, 81.157, 37.170



10, 32.785, 24.189

Inverse Universe

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



53, 101.187, 37.807



53, 101.582, 37.817



60, 61.735, 275.637



50, 5.270, 13.964



40, 81.157, 37.170



10, 32.785, 24.189

Previews

White Background



This preview shows how the CIELCh color 53, 101.231, 37.779 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, 101.231, 37.779 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, 101.231, 37.779

Background



This preview shows how black text looks on a background with the CIELCh color 53, 101.231, 37.779.



This preview shows how white text looks on a background with the CIELCh color 53, 101.231, 37.779.

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, 101.231, 37.779

Protanopia
53, 47.313, 95.603

Deuteranopia
53, 59.639, 84.347



Tritanopia
53, 102.318, 40.799

Trichromacy



Original Color
53, 101.231, 37.779



Protanomaly
47, 60.153, 50.041



Deuteranomaly
48, 71.921, 52.121



Tritanomaly
53, 102.142, 39.691

Monochromacy



Original Color
53, 101.231, 37.779



Achromatopsia
33, 0.005, 296.813



Achromatomaly
35, 43.067, 23.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 101.231, 37.779 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 101.231, 37.779 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, 19) }
```

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

```
.border{ border-color:rgb(254, 0, 19) }
```

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, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(254, 0, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 101.231, 37.779 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, 19) }
```

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

```
.background{ background-color: rgb(254, 0,  
19) }
```

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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