

Converting Colors

CIELCh(53, 100.737, 37.387)

Have a look what the booklet for
CIELCh(53, 100.737, 37.387)
contains.

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Color

CIELCh(53, 100.831, 37.465)

Conversions

Conversions Part 1

Format	Color
Hex	FE0015
RGB	254, 0, 21
RGB Percent	100%, 0%, 8%
CMY	0.0051, 1.0000, 0.9186
CMYK	0.00, 1.00, 0.92, 0.01
HSL	355°, 100%, 50%
HSV	355°, 100%, 99%
XYZ	40.8877, 21.0462, 2.6054
YIQ	78.3400, 144.6430, 60.3790

Conversions

Conversions Part 2

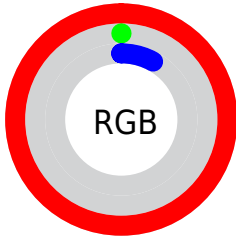
Format	Color
RYB	254, 0, 21
Decimal	16646165
CIELab	53.00, 80.03, 61.33
CIELCh	53, 100.831, 37.465
Yxy	21.0462, 0.6335, 0.3261
Android (android.graphics.Color)	4294836245 (0xFFFE0015)
YUV	78.3400, -28.2686, 154.0538
Hunter-Lab	45.8761, 78.8072, 28.7461

Details

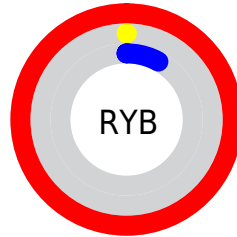
The CIELCh color **53, 100.831, 37.465** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **90, 53.846, 184.426**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.849, 37.810**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 100.783, 37.496**, and if you desaturate by 10%, it is **54, 93.744, 33.544**.

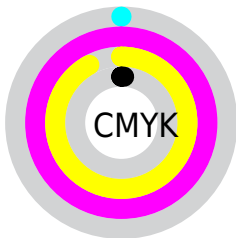
Distribution



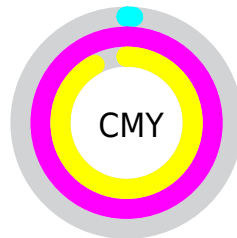
- Red (100%)
- Green (0%)
- Blue (8%)



- Red (100%)
- Yellow (0%)
- Blue (8%)



- Cyan (0%)
- Magenta (100%)
- Yellow (92%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 100.831, 37.465 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, 100.831, 37.465 by changing the saturation by 10% instead.


 53, 100.831,
37.465


 53, 100.831,
37.465


 100, 100.831,
37.465


 43, 100.831,
37.465


 73, 100.831,
37.465

 33, 100.831,
37.465

 83, 100.831,
37.465

 23, 100.831,
37.465

 93, 100.831,
37.465

 13, 100.831,
37.465

 3, 100.831, 37.465

 0, 100.831, 37.465

■ 53, 100.831,
37.465

■ 53, 100.831,
37.465

■ 53, 100.783,
37.496

■ 54, 93.744, 33.544

■ 56, 84.703, 29.121

■ 59, 74.455, 25.140

■ 63, 63.442, 21.867

■ 68, 52.063, 19.281

■ 74, 40.702, 17.262

■ 80, 29.666, 15.679

■ 86, 19.152, 14.420

■ 93, 9.255, 13.382

Harmonies

Complementary

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



53, 100.831, 37.465



90, 53.846, 184.426

Rectangle

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



53, 100.831, 37.465



53, 100.831, 87.465



53, 100.831, 217.465



53, 100.831, 267.465

Sweetspot

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



53, 100.783, 37.496



80, 29.790, 15.681



56, 115.738, 324.927



40, 20.582, 16.303



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, 100.783, 37.496



53, 101.185, 37.506



63, 88.904, 53.488



50, 5.275, 13.334



40, 80.814, 36.825



10, 32.728, 23.866

Inverse Universe

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



53, 100.783, 37.496



53, 101.185, 37.506



60, 61.730, 275.637



50, 5.275, 13.334



40, 80.814, 36.825



10, 32.728, 23.866

Previews

White Background



This preview shows how the CIELCh color 53, 100.831, 37.465 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, 100.831, 37.465 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, 100.831, 37.465

Background



This preview shows how black text looks on a background with the CIELCh color 53, 100.831, 37.465.



This preview shows how white text looks on a background with the CIELCh color 53, 100.831, 37.465.

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, 100.831, 37.465

Protanopia

53, 46.467, 95.564

Deuteranopia

53, 59.639, 84.347



Tritanopia
53, 102.318, 40.799

Trichromacy



Original Color
53, 100.831, 37.465

Protanomaly
47, 59.501, 49.430

Deuteranomaly
48, 71.743, 51.998

Tritanomaly
53, 101.996, 39.586

Monochromacy



Original Color
53, 100.831, 37.465

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 42.896, 22.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 100.831, 37.465 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 100.831, 37.465 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, 21) }
```

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

```
.border{ border-color:rgb(254, 0, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(254, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 100.831, 37.465 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, 21) }
```

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

```
.background{ background-color: rgb(254, 0,  
21) }
```

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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