

Converting Colors

CIELCh(54, 92.407, 29.367)

Have a look what the booklet for
CIELCh(54, 92.407, 29.367) contains.

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Color

CIELCh(54, 91.970, 29.172)

Conversions

Conversions Part 1

Format	Color
Hex	FF0D39
RGB	255, 13, 57
RGB Percent	100%, 5%, 22%
CMY	0.0000, 0.9504, 0.7746
CMYK	0.00, 0.95, 0.77, 0.00
HSL	349°, 100%, 52%
HSV	349°, 95%, 100%
XYZ	42.3952, 21.9746, 5.9418
YIQ	90.3740, 130.1080, 64.9880

Conversions

Conversions Part 2

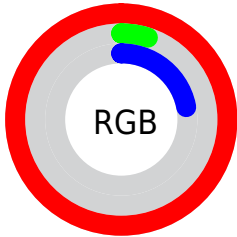
Format	Color
RYB	255, 13, 57
Decimal	16715065
CIELab	54.00, 80.30, 44.83
CIElCh	54, 91.970, 29.172
Yxy	21.9746, 0.6030, 0.3125
Android (android.graphics.Color)	4294905145 (0xFFFF0D39)
YUV	90.3740, -16.4534, 144.3770
Hunter-Lab	46.8770, 79.3990, 25.2988

Details

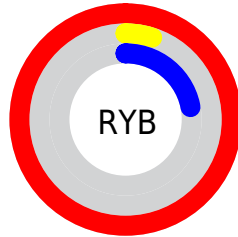
The CIELCh color **54, 91.970, 29.172** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 60.292, 172.900**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.797, 25.665**, and **39, 79.832, 36.869** is the 20% darker color. If you saturate the color by 10%, you get **53, 94.865, 31.692**, and if you desaturate by 10%, it is **55, 84.789, 23.895**.

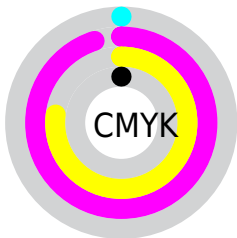
Distribution



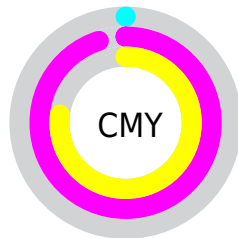
- Red (100%)
- Green (5%)
- Blue (22%)



- Red (100%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (95%)
- Yellow (77%)
- Black (0%)



- Cyan (0%)
- Magenta (95%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 91.970, 29.172 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 54, 91.970, 29.172 by changing the saturation by 10% instead.

 54, 91.970, 29.172

 54, 91.970, 29.172

 100, 91.970,
29.172

 44, 91.970, 29.172

 74, 91.970, 29.172

 34, 91.970, 29.172

 84, 91.970, 29.172

 24, 91.970, 29.172

 94, 91.970, 29.172

 14, 91.970, 29.172

 4, 91.970, 29.172

 0, 91.970, 29.172

 54, 91.970, 29.172

 54, 91.970, 29.172

 53, 94.865, 31.692

 55, 84.789, 23.895

 58, 76.655, 19.343

61, 67.330, 15.636

66, 57.081, 12.702

71, 46.320, 10.393

77, 35.451, 8.556

83, 24.782, 7.069

90, 14.509, 5.835

97, 4.733, 4.727

Harmonies

Complementary

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



54, 91.970, 29.172



90, 60.292, 172.900

Rectangle

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



54, 91.970, 29.172



54, 91.970, 79.172



54, 91.970, 209.172



54, 91.970, 259.172

Sweetspot

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



54, 91.720, 29.118



81, 28.966, 7.623



53, 116.631, 320.827



40, 20.059, 8.270



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54, 91.720, 29.118



53, 94.865, 31.692



60, 91.782, 47.492



50, 5.402, 5.223



40, 75.691, 30.695



10, 32.073, 19.464

Inverse Universe

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



54, 91.720, 29.118



53, 94.865, 31.692



70, 48.104, 254.687



50, 5.402, 5.223



40, 75.691, 30.695



10, 32.073, 19.464

Previews

White Background



This preview shows how the CIELCh color 54, 91.970, 29.172 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 54, 91.970, 29.172 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 54, 91.970, 29.172

Background



This preview shows how black text looks on a background with the CIELCh color 54, 91.970, 29.172.



This preview shows how white text looks on a background with the CIELCh color 54, 91.970, 29.172.

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

54, 91.818, 29.282

Protanopia

54, 24.841, 96.802

Deuteranopia

54, 48.835, 81.884



Tritanopia
54, 100.267, 39.218

Trichromacy



Original Color
54, 91.818, 29.282

Protanomaly
49, 44.867, 33.220

Deuteranomaly
50, 60.589, 44.605

Tritanomaly
54, 97.482, 36.373

Monochromacy



Original Color
54, 91.818, 29.282

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 39.538, 13.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 91.970, 29.172 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(255, 13, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 57)  
}
```

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(255, 13, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 91.970, 29.172 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(255, 13, 57) }
```

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

```
.border{ border-color:rgb(255, 13, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 13, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 13, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 13, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 13,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 91.970, 29.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 57) }
```

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

```
.background{ background-color: rgb(255, 13,  
57) }
```

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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