

Converting Colors

CIELCh(54, 93.270, 30.321)

Have a look what the booklet for
CIELCh(54, 93.270, 30.321) contains.

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Color

CIELCh(54, 92.947, 30.371)

Conversions

Conversions Part 1

Format	Color
Hex	FF0D36
RGB	255, 13, 54
RGB Percent	100%, 5%, 21%
CMY	0.0000, 0.9487, 0.7899
CMYK	0.00, 0.95, 0.79, 0.00
HSL	350°, 100%, 53%
HSV	350°, 95%, 100%
XYZ	42.3577, 21.9746, 5.4475
YIQ	90.0320, 131.0710, 64.0550

Conversions

Conversions Part 2

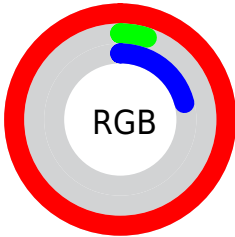
Format	Color
R_{YB}	255, 13, 54
Decimal	16715062
CIE _{Lab}	54.00, 80.19, 46.99
CIE _{LCh}	54, 92.947, 30.371
Yxy	21.9746, 0.6070, 0.3149
Android (android.graphics.Color)	4294905142 (0xFFFF0D36)
YUV	90.0320, -17.7638, 144.6769
Hunter-Lab	46.8770, 79.2562, 25.9239

Details

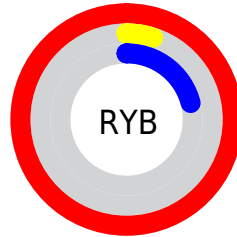
The CIELCh color **54, 92.947, 30.371** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 58.976, 174.795**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.535, 27.453**, and **39, 80.714, 37.752** is the 20% darker color. If you saturate the color by 10%, you get **53, 96.007, 32.891**, and if you desaturate by 10%, it is **55, 85.406, 25.177**.

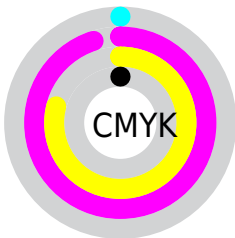
Distribution



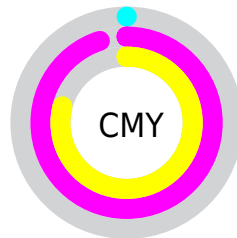
- Red (100%)
- Green (5%)
- Blue (21%)



- Red (100%)
- Yellow (5%)
- Blue (21%)



- Cyan (0%)
- Magenta (95%)
- Yellow (79%)
- Black (0%)



- Cyan (0%)
- Magenta (95%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 92.947, 30.371 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, 92.947, 30.371 by changing the saturation by 10% instead.

 54, 92.947, 30.371

 54, 92.947, 30.371

 100, 92.947,
30.371

 44, 92.947, 30.371

 74, 92.947, 30.371

 34, 92.947, 30.371

 84, 92.947, 30.371

 24, 92.947, 30.371

 94, 92.947, 30.371

 14, 92.947, 30.371

 4, 92.947, 30.371

 0, 92.947, 30.371

 54, 92.947, 30.371

 54, 92.947, 30.371

 53, 96.007, 32.891

 55, 85.406, 25.177

 58, 76.965, 20.651

61, 67.395, 16.945

66, 56.973, 14.009

71, 46.107, 11.699

77, 35.187, 9.867

83, 24.512, 8.389

90, 14.265, 7.166

97, 4.539, 6.068

Harmonies

Complementary

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



54, 92.947, 30.371



90, 58.976, 174.795

Rectangle

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



54, 92.947, 30.371



54, 92.947, 80.371



54, 92.947, 210.371



54, 92.947, 260.371

Sweetspot

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



54, 92.648, 30.313



81, 27.816, 8.820



53, 116.338, 321.415



41, 19.399, 9.460



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, 92.648, 30.313



53, 96.007, 32.891



60, 90.846, 48.412



50, 5.372, 6.580



40, 76.587, 31.930



10, 32.177, 20.273

Inverse Universe

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



54, 92.648, 30.313



53, 96.007, 32.891



69, 49.303, 257.623



50, 5.372, 6.580



40, 76.587, 31.930



10, 32.177, 20.273

Previews

White Background



This preview shows how the CIELCh color 54, 92.947, 30.371 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, 92.947, 30.371 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, 92.947, 30.371

Background



This preview shows how black text looks on a background with the CIELCh color 54, 92.947, 30.371.



This preview shows how white text looks on a background with the CIELCh color 54, 92.947, 30.371.

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, 92.550, 30.185

Protanopia

54, 27.234, 95.386

Deuteranopia

54, 51.002, 81.971



Tritanopia
54, 100.696, 39.413

Trichromacy



Original Color
54, 92.550, 30.185

Protanomaly
49, 45.895, 35.783

Deuteranomaly
50, 62.214, 46.352

Tritanomaly
54, 98.191, 36.975

Monochromacy



Original Color
54, 92.550, 30.185

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 39.582, 14.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 92.947, 30.371 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 92.947, 30.371 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, 54) }
```

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

```
.border{ border-color:rgb(255, 13, 54) }
```

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, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 13, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 13, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 13,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 92.947, 30.371 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, 54) }
```

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

```
.background{ background-color: rgb(255, 13,  
54) }
```

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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