

Converting Colors

CIELCh(54, 91.466, 27.534)

Have a look what the booklet for
CIELCh(54, 91.466, 27.534) contains.

CIELCh(54, 91.033, 27.435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(54, 91.033, 27.435)

Conversions

Conversions Part 1

Format	Color
Hex	FF093F
RGB	255, 9, 63
RGB Percent	100%, 4%, 25%
CMY	0.0000, 0.9663, 0.7544
CMYK	0.00, 0.97, 0.75, 0.00
HSL	347°, 100%, 52%
HSV	347°, 97%, 100%
XYZ	42.5586, 21.9746, 6.6462
YIQ	88.7100, 129.2820, 68.9460

Conversions

Conversions Part 2

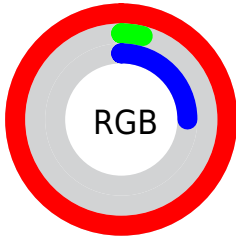
Format	Color
R_{YB}	255, 9, 63
Decimal	16714047
CIE _{Lab}	54.00, 80.79, 41.94
CIE _{LCh}	54, 91.033, 27.435
Yxy	21.9746, 0.5979, 0.3087
Android (android.graphics.Color)	4294904127 (0xFFFF093F)
YUV	88.7100, -12.6750, 145.8363
Hunter-Lab	46.8770, 80.0214, 24.4079

Details

The CIELCh color **54, 91.033, 27.435** 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, 63.283, 169.177**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.142, 22.580**, and **39, 78.707, 35.335** is the 20% darker color. If you saturate the color by 10%, you get **54, 92.700, 29.164**, and if you desaturate by 10%, it is **55, 84.565, 21.949**.

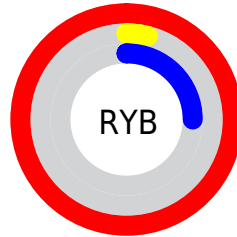
Distribution



Red (100%)

Green (4%)

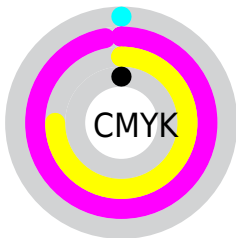
Blue (25%)



Red (100%)

Yellow (4%)

Blue (25%)

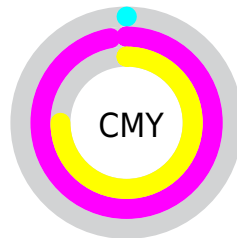


Cyan (0%)

Magenta (97%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (97%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 91.033, 27.435 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, 91.033, 27.435 by changing the saturation by 10% instead.

 54, 91.033, 27.435

 54, 91.033, 27.435

 100, 91.033,
27.435

 44, 91.033, 27.435

 74, 91.033, 27.435

 34, 91.033, 27.435

 84, 91.033, 27.435

 24, 91.033, 27.435

 94, 91.033, 27.435

 14, 91.033, 27.435

 4, 91.033, 27.435

 0, 91.033, 27.435

 54, 91.033, 27.435

 54, 91.033, 27.435

 54, 92.700, 29.164

 55, 84.565, 21.949

 57, 77.193, 17.276

61, 68.487, 13.484

65, 58.667, 10.487

71, 48.149, 8.125

76, 37.369, 6.241

82, 26.670, 4.711

89, 16.281, 3.437

96, 6.332, 2.317

Harmonies

Complementary

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



54, 91.033, 27.435



90, 63.283, 169.177

Rectangle

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



54, 91.033, 27.435



54, 91.033, 77.435



54, 91.033, 207.435



54, 91.033, 257.435

Sweetspot

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



54, 90.718, 27.355



81, 29.181, 5.047



51, 117.588, 319.595



40, 20.185, 5.692



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, 90.718, 27.355



54, 92.700, 29.164



58, 94.516, 45.654



50, 5.468, 2.634



40, 74.014, 28.115



10, 31.871, 17.732

Inverse Universe

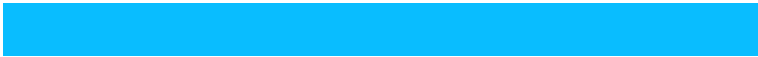
The Inverse Universe completely reimagines the original color for something new.



54, 90.718, 27.355



54, 92.700, 29.164



72, 46.318, 249.067



50, 5.468, 2.634



40, 74.014, 28.115



10, 31.871, 17.732

Previews

White Background



This preview shows how the CIELCh color 54, 91.033, 27.435 looks on a white background.

Color Contrast Check

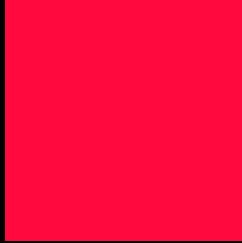
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 91.033, 27.435 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, 91.033, 27.435

Background



This preview shows how black text looks on a background with the CIELCh color 54, 91.033, 27.435.



This preview shows how white text looks on a background with the CIELCh color 54, 91.033, 27.435.

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, 90.613, 27.248

Protanopia

54, 20.468, 95.294

Deuteranopia

54, 45.882, 80.893



Tritanopia
54, 99.812, 39.006

Trichromacy



Original Color
54, 90.613, 27.248

Protanomaly
48, 43.543, 27.123

Deuteranomaly
49, 59.096, 41.361

Tritanomaly
54, 96.823, 35.676

Monochromacy



Original Color
54, 90.613, 27.248

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 40.393, 10.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 91.033, 27.435 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, 9, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 9, 63)  
}
```

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, 9, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 9, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 91.033, 27.435 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, 9, 63) }
```

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

```
.border{ border-color:rgb(255, 9, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 9, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 9, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 9, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 9, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 91.033, 27.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 9, 63) }
```

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

```
.background{ background-color: rgb(255, 9,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor