

Converting Colors

CIELCh(54, 91.734, 27.902)

Have a look what the booklet for
CIELCh(54, 91.734, 27.902) contains.

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Color

CIELCh(54, 91.262, 27.754)

Conversions

Conversions Part 1

Format	Color
Hex	FF093E
RGB	255, 9, 62
RGB Percent	100%, 4%, 24%
CMY	0.0000, 0.9657, 0.7582
CMYK	0.00, 0.97, 0.76, 0.00
HSL	347°, 100%, 52%
HSV	347°, 97%, 100%
XYZ	42.5479, 21.9746, 6.5064
YIQ	88.5960, 129.6030, 68.6350

Conversions

Conversions Part 2

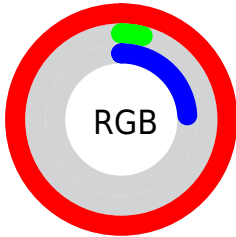
Format	Color
R_{YB}	255, 9, 62
Decimal	16714046
CIE _{Lab}	54.00, 80.76, 42.50
CIE _{LCh}	54, 91.262, 27.754
Yxy	21.9746, 0.5990, 0.3094
Android (android.graphics.Color)	4294904126 (0xFFFF093E)
YUV	88.5960, -13.1118, 145.9363
Hunter-Lab	46.8770, 79.9806, 24.5846

Details

The CIELCh color **54, 91.262, 27.754** 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, 62.915, 169.617**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.288, 23.047**, and **39, 78.963, 35.616** is the 20% darker color. If you saturate the color by 10%, you get **54, 92.974, 29.505**, and if you desaturate by 10%, it is **55, 84.694, 22.280**.

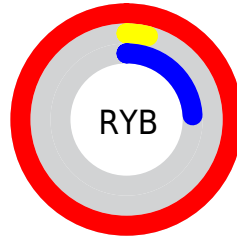
Distribution



Red (100%)

Green (4%)

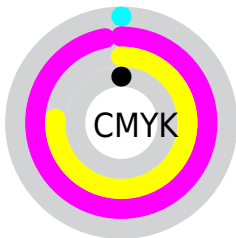
Blue (24%)



Red (100%)

Yellow (4%)

Blue (24%)

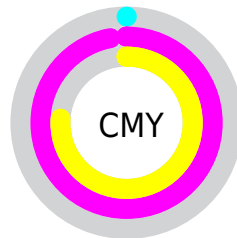


Cyan (0%)

Magenta (97%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (97%)


Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 91.262, 27.754 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, 91.262, 27.754 by changing the saturation by 10% instead.

 54, 91.262, 27.754

 54, 91.262, 27.754

 100, 91.262,
27.754

 44, 91.262, 27.754

 74, 91.262, 27.754

 34, 91.262, 27.754

 84, 91.262, 27.754

 24, 91.262, 27.754

 94, 91.262, 27.754

 14, 91.262, 27.754

 4, 91.262, 27.754

 0, 91.262, 27.754

 54, 91.262, 27.754

 54, 91.262, 27.754

 54, 92.974, 29.505

 55, 84.694, 22.280

 57, 77.242, 17.608

61, 68.473, 13.813

65, 58.609, 10.812

71, 48.066, 8.447

76, 37.275, 6.563

82, 26.576, 5.033

89, 16.197, 3.760

96, 6.264, 2.641

Harmonies

Complementary

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



54, 91.262, 27.754



90, 62.915, 169.617

Rectangle

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



54, 91.262, 27.754



54, 91.262, 77.754



54, 91.262, 207.754



54, 91.262, 257.754

Sweetspot

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



54, 90.934, 27.673



81, 29.150, 5.378



52, 117.284, 320.168



40, 20.166, 6.023



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, 90.934, 27.673



54, 92.974, 29.505



59, 93.667, 46.427



50, 5.458, 2.965



40, 74.224, 28.461



10, 31.897, 17.968

Inverse Universe

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



54, 90.934, 27.673



54, 92.974, 29.505



71, 47.336, 252.315



50, 5.458, 2.965



40, 74.224, 28.461



10, 31.897, 17.968

Previews

White Background



This preview shows how the CIELCh color 54, 91.262, 27.754 looks on a white background.

Color Contrast Check

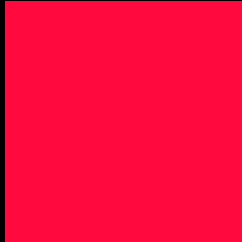
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.262, 27.754 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, 91.262, 27.754

Background



This preview shows how black text looks on a background with the CIELCh color 54, 91.262, 27.754.



This preview shows how white text looks on a background with the CIELCh color 54, 91.262, 27.754.

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, 90.841, 27.570

Protanopia

54, 21.020, 95.526

Deuteranopia

54, 46.317, 81.049



Tritanopia
54, 99.997, 39.145

Trichromacy



Original Color

54, 90.841, 27.570



Protanomaly

48, 43.730, 27.839



Deuteranomaly

49, 59.411, 41.772



Tritanomaly

54, 97.069, 35.896

Monochromacy



Original Color

54, 90.841, 27.570



Achromatopsia

37, 0.005, 296.813



Achromatomaly

38, 40.407, 11.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 91.262, 27.754 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, 62)` looks like.

```
.text, #text, p{  
  color:rgb(255, 9, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 9, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 91.262, 27.754 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, 62) }
```

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

```
.border{ border-color:rgb(255, 9, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 9, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 9, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 9, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 91.262, 27.754 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, 62) }
```

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

```
.background{ background-color: rgb(255, 9,  
62) }
```

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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