

Converting Colors

CIELCh(49, 119.377, 7.907)

Have a look what the booklet for
CIELCh(49, 119.377, 7.907) contains.

CIELCh(54, 85.526, 15.130)	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, 85.526, 15.130)

Conversions

Conversions Part 1

Format	Color
Hex	FF0060
RGB	255, 0, 96
RGB Percent	100%, 0%, 38%
CMY	0.0018, 1.0000, 0.6248
CMYK	0.00, 1.00, 0.62, 0.00
HSL	337°, 100%, 50%
HSV	337°, 100%, 100%
XYZ	43.1509, 21.9746, 12.9542
YIQ	87.1890, 121.1640, 83.9160

Conversions

Conversions Part 2

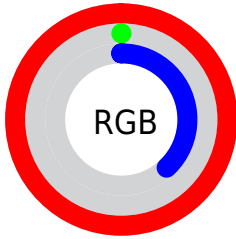
Format	Color
RYB	255, 0, 96
Decimal	16711776
CIELab	54.00, 82.56, 22.32
CIELCh	54, 85.526, 15.130
Yxy	21.9746, 0.5527, 0.2814
Android (android.graphics.Color)	4294901856 (0xFFFF0060)
YUV	87.1890, 4.3438, 147.1702
Hunter-Lab	46.8770, 82.2769, 16.4294

Details

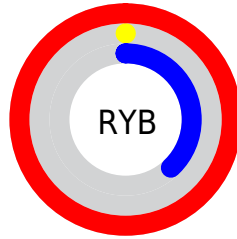
The CIELCh color **54, 85.526, 15.130** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **89, 78.116, 155.849**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.770, 5.166**, and **40, 71.495, 24.027** is the 20% darker color. If you saturate the color by 10%, you get **54, 85.426, 15.185**, and if you desaturate by 10%, it is **55, 82.438, 9.971**.

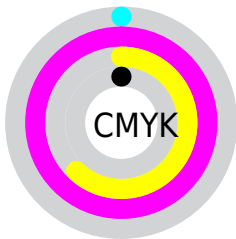
Distribution



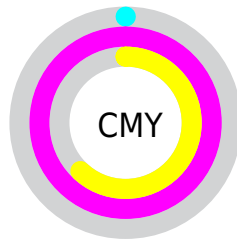
- Red (100%)
- Green (0%)
- Blue (38%)



- Red (100%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 85.526, 15.130 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, 85.526, 15.130 by changing the saturation by 10% instead.

 54, 85.526, 15.130

 54, 85.526, 15.130

 100, 85.526,
15.130

 44, 85.526, 15.130

 74, 85.526, 15.130

 34, 85.526, 15.130

 84, 85.526, 15.130

 24, 85.526, 15.130

 94, 85.526, 15.130

 14, 85.526, 15.130

 4, 85.526, 15.130

 0, 85.526, 15.130

 54, 85.526, 15.130

 54, 85.526, 15.130

 54, 85.426, 15.185

 55, 82.438, 9.971

 57, 77.953, 5.620

60, 71.452, 2.176

64, 63.111,
359.470

69, 53.404,
357.321

75, 42.872,
355.578

81, 31.983,
354.129

87, 21.078,
352.895

93, 10.377,
351.808

Harmonies

Complementary

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



54, 85.526, 15.130



89, 78.116, 155.849

Rectangle

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



54, 85.526, 15.130



54, 85.526, 65.130



54, 85.526, 195.130



54, 85.526, 245.130

Sweetspot

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



54, 85.426, 15.185



81, 32.030, 354.130



45, 121.751, 314.660



40, 21.921, 354.710



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, 85.426, 15.185



54, 85.542, 15.191



54, 102.514, 41.166



50, 5.903, 351.756



41, 68.692, 14.149



10, 31.282, 6.852

Inverse Universe

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



54, 85.426, 15.185



54, 85.542, 15.191



82, 44.023, 218.074



50, 5.903, 351.756



41, 68.692, 14.149



10, 31.282, 6.852

Previews

White Background



This preview shows how the CIELCh color 54, 85.526, 15.130 looks on a white background.

Color Contrast Check

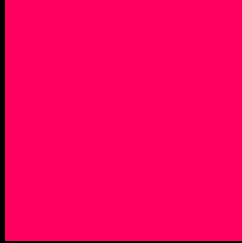
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.526, 15.130 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, 85.526, 15.130

Background



This preview shows how black text looks on a background with the CIELCh color 54, 85.526, 15.130.



This preview shows how white text looks on a background with the CIELCh color 54, 85.526, 15.130.

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, 85.526, 15.130

Protanopia

55, 5.757, 290.883

Deuteranopia

55, 27.363, 75.275



Tritanopia
54, 94.490, 36.741

Trichromacy



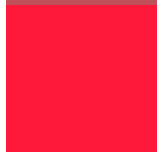
Original Color
54, 85.526, 15.130



Protanomaly
48, 42.506, 352.805



Deuteranomaly
49, 49.054, 21.234



Tritanomaly
54, 90.697, 29.778

Monochromacy



Original Color
54, 85.526, 15.130



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 42.469, 359.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 85.526, 15.130 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, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 96)  
}
```

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, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 85.526, 15.130 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, 0, 96) }
```

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

```
.border{ border-color:rgb(255, 0, 96) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 85.526, 15.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 96) }
```

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

```
.background{ background-color: rgb(255, 0,  
96) }
```

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