

Converting Colors

CIELCh(54, 86.658, 19.226)

Have a look what the booklet for
CIELCh(54, 86.658, 19.226) contains.

CIELCh(54, 86.732, 19.371)	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, 86.732, 19.371)

Conversions

Conversions Part 1

Format	Color
Hex	FF0355
RGB	255, 3, 85
RGB Percent	100%, 1%, 33%
CMY	0.0001, 0.9883, 0.6667
CMYK	0.00, 0.99, 0.67, 0.00
HSL	340°, 100%, 51%
HSV	340°, 99%, 100%
XYZ	42.9024, 21.9746, 10.5713
YIQ	87.6960, 123.8700, 78.9260

Conversions

Conversions Part 2

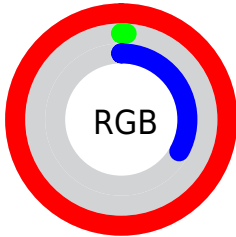
Format	Color
RYB	255, 3, 85
Decimal	16712533
CIELab	54.00, 81.82, 28.77
CIELCh	54, 86.732, 19.371
Yxy	21.9746, 0.5686, 0.2913
Android (android.graphics.Color)	4294902613 (0xFFFF0355)
YUV	87.6960, -1.3291, 146.7256
Hunter-Lab	46.8770, 81.3305, 19.4433

Details

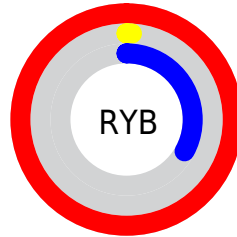
The CIELCh color **54, 86.732, 19.371** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **89, 73.085, 159.675**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.224, 11.366**, and **40, 73.802, 28.362** is the 20% darker color. If you saturate the color by 10%, you get **54, 87.193, 20.015**, and if you desaturate by 10%, it is **55, 82.757, 13.950**.

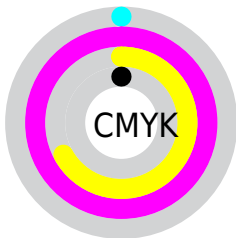
Distribution



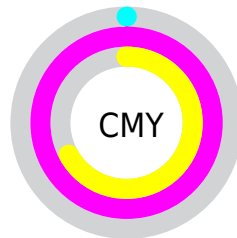
- Red (100%)
- Green (1%)
- Blue (33%)



- Red (100%)
- Yellow (1%)
- Blue (33%)



- Cyan (0%)
- Magenta (99%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (99%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 86.732, 19.371 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, 86.732, 19.371 by changing the saturation by 10% instead.

 54, 86.732, 19.371

 54, 86.732, 19.371

 100, 86.732,
19.371

 44, 86.732, 19.371

 74, 86.732, 19.371

 34, 86.732, 19.371

 84, 86.732, 19.371

 24, 86.732, 19.371

 94, 86.732, 19.371


 14, 86.732, 19.371

 4, 86.732, 19.371

 0, 86.732, 19.371

 54, 86.732, 19.371

 54, 86.732, 19.371

 54, 87.193, 20.015

 55, 82.757, 13.950

 57, 77.371, 9.406

61, 70.188, 5.788

65, 61.395, 2.944

70, 51.449, 0.693

75, 40.859,
358.877

81, 30.054,
357.380

88, 19.339,
356.113

94, 8.904, 355.000

Harmonies

Complementary

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



54, 86.732, 19.371



89, 73.085, 159.675

Rectangle

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



54, 86.732, 19.371



54, 86.732, 69.371



54, 86.732, 199.371



54, 86.732, 249.371

Sweetspot

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



54, 86.728, 19.373



81, 31.319, 357.541



47, 120.281, 316.217



40, 21.463, 358.152



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, 86.728, 19.373



54, 87.199, 20.015



55, 100.335, 42.103



50, 5.740, 355.072



40, 69.879, 18.932



10, 31.370, 10.906

Inverse Universe

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



54, 86.728, 19.373



54, 87.199, 20.015



79, 43.486, 228.615



50, 5.740, 355.072



40, 69.879, 18.932



10, 31.370, 10.906

Previews

White Background



This preview shows how the CIELCh color 54, 86.732, 19.371 looks on a white background.

Color Contrast Check

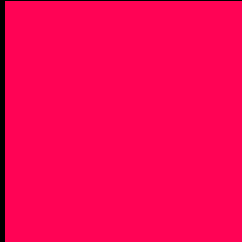
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.732, 19.371 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, 86.732, 19.371

Background



This preview shows how black text looks on a background with the CIELCh color 54, 86.732, 19.371.

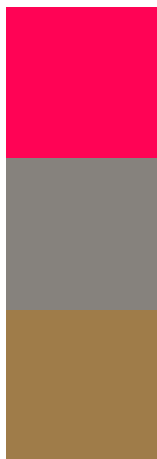


This preview shows how white text looks on a background with the CIELCh color 54, 86.732, 19.371.

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, 86.732, 19.371

Protanopia

55, 3.276, 80.302

Deuteranopia

54, 33.596, 77.630



Tritanopia
54, 96.179, 37.441

Trichromacy



Original Color
54, 86.732, 19.371



Protanomaly
48, 41.076, 4.899



Deuteranomaly
49, 51.967, 28.877



Tritanomaly
54, 92.526, 31.785

Monochromacy



Original Color
54, 86.732, 19.371



Achromatopsia
37, 0.005, 296.813



Achromatomaly
38, 41.577, 3.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 86.732, 19.371 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, 3, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 85)  
}
```

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, 3, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 86.732, 19.371 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, 3, 85) }
```

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

```
.border{ border-color:rgb(255, 3, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 3, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 3, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 86.732, 19.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 85) }
```

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

```
.background{ background-color: rgb(255, 3,  
85) }
```

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