

Converting Colors

CIELCh(54, 87.000, 19.538)

Have a look what the booklet for
CIELCh(54, 87.000, 19.538) contains.

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Color

CIELCh(54, 86.989, 19.674)

Conversions

Conversions Part 1

Format	Color
Hex	FF0254
RGB	255, 2, 84
RGB Percent	100%, 1%, 33%
CMY	0.0000, 0.9930, 0.6701
CMYK	0.00, 0.99, 0.67, 0.00
HSL	340°, 100%, 50%
HSV	340°, 99%, 100%
XYZ	42.9322, 21.9746, 10.3933
YIQ	86.9950, 124.4660, 79.1380

Conversions

Conversions Part 2

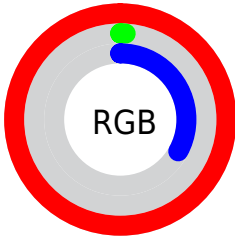
Format	Color
RYB	255, 2, 84
Decimal	16712276
CIELab	54.00, 81.91, 29.29
CIELCh	54, 86.989, 19.674
Yxy	21.9746, 0.5701, 0.2918
Android (android.graphics.Color)	4294902356 (0xFFFF0254)
YUV	86.9950, -1.4765, 147.3404
Hunter-Lab	46.8770, 81.4439, 19.6684

Details

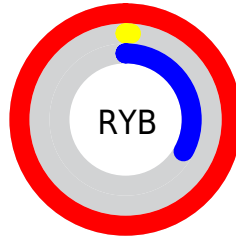
The CIELCh color **54, 86.989, 19.674** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **89, 73.236, 159.587**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.615, 11.594**, and **40, 73.695, 28.662** is the 20% darker color. If you saturate the color by 10%, you get **54, 87.208, 20.035**, and if you desaturate by 10%, it is **55, 82.979, 14.206**.

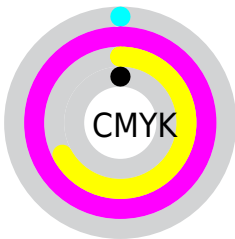
Distribution



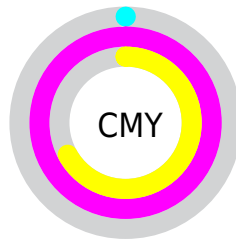
- Red (100%)
- Green (1%)
- Blue (33%)



- 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, 86.989, 19.674 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, 86.989, 19.674 by changing the saturation by 10% instead.

 54, 86.989, 19.674

 54, 86.989, 19.674

 100, 86.989,
19.674

 44, 86.989, 19.674

 74, 86.989, 19.674

 34, 86.989, 19.674

 84, 86.989, 19.674

 24, 86.989, 19.674

 94, 86.989, 19.674

 14, 86.989, 19.674

 4, 86.989, 19.674

 0, 86.989, 19.674

 54, 86.989, 19.674

 54, 86.989, 19.674

 54, 87.208, 20.035

 55, 82.979, 14.206

 57, 77.670, 9.616

60, 70.568, 5.956

64, 61.839, 3.079

69, 51.934, 0.803

75, 41.363,
358.969

81, 30.560,
357.459

87, 19.835,
356.183

94, 9.385, 355.065

Harmonies

Complementary

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



54, 86.989, 19.674



89, 73.236, 159.587

Rectangle

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



54, 86.989, 19.674



54, 86.989, 69.674



54, 86.989, 199.674



54, 86.989, 249.674

Sweetspot

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



54, 86.927, 19.651



81, 31.317, 357.556



47, 120.439, 316.183



40, 21.461, 358.167



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, 86.927, 19.651



54, 87.208, 20.035



55, 100.659, 42.123



50, 5.740, 355.087



40, 69.885, 18.952



10, 31.370, 10.922

Inverse Universe

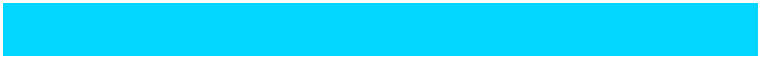
The Inverse Universe completely reimagines the original color for something new.



54, 86.927, 19.651



54, 87.208, 20.035



79, 43.514, 228.769



50, 5.740, 355.087



40, 69.885, 18.952



10, 31.370, 10.922

Previews

White Background



This preview shows how the CIELCh color 54, 86.989, 19.674 looks on a white background.

Color Contrast Check

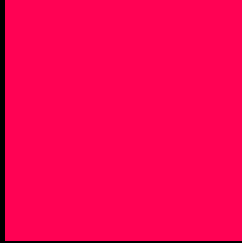
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.989, 19.674 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, 86.989, 19.674

Background



This preview shows how black text looks on a background with the CIELCh color 54, 86.989, 19.674.

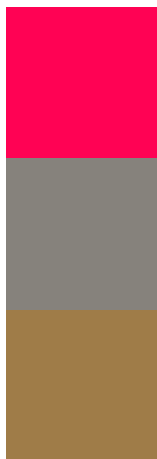


This preview shows how white text looks on a background with the CIELCh color 54, 86.989, 19.674.

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, 86.936, 19.707

Protanopia

55, 3.788, 84.456

Deuteranopia

54, 34.087, 77.966



Tritanopia
54, 96.762, 37.656

Trichromacy



Original Color
54, 86.936, 19.707



Protanomaly
48, 41.558, 4.453



Deuteranomaly
49, 52.182, 29.460



Tritanomaly
54, 92.861, 32.007

Monochromacy



Original Color
54, 86.936, 19.707



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 41.602, 3.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 86.989, 19.674 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, 2, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 2, 84)  
}
```

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, 2, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 2, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 86.989, 19.674 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, 2, 84) }
```

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

```
.border{ border-color:rgb(255, 2, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 2, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 2, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 2, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 2, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 86.989, 19.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 2, 84) }
```

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

```
.background{ background-color: rgb(255, 2,  
84) }
```

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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