

Converting Colors

CIELCh(48, 106.523, 11.878)

Have a look what the booklet for
CIELCh(48, 106.523, 11.878)
contains.

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Color

CIELCh(54, 87.042, 19.641)

Conversions

Conversions Part 1

Format	Color
Hex	FF0154
RGB	255, 1, 84
RGB Percent	100%, 0%, 33%
CMY	0.0000, 0.9958, 0.6699
CMYK	0.00, 1.00, 0.67, 0.00
HSL	340°, 100%, 50%
HSV	340°, 100%, 100%
XYZ	42.9546, 21.9746, 10.4034
YIQ	86.4080, 124.7410, 79.6610

Conversions

Conversions Part 2

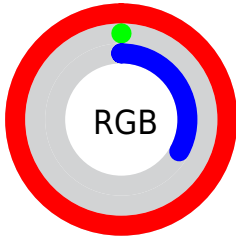
Format	Color
RYB	255, 1, 84
Decimal	16712020
CIELab	54.00, 81.98, 29.26
CIELCh	54, 87.042, 19.641
Yxy	21.9746, 0.5702, 0.2917
Android (android.graphics.Color)	4294902100 (0xFFFF0154)
YUV	86.4080, -1.1871, 147.8552
Hunter-Lab	46.8770, 81.5293, 19.6558

Details

The CIELCh color **54, 87.042, 19.641** 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, 73.525, 159.371**, 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, 87.125, 19.840**, and if you desaturate by 10%, it is **55, 83.060, 14.160**.

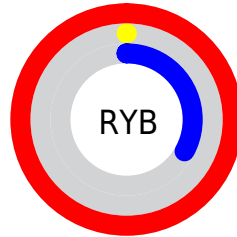
Distribution



Red (100%)

Green (0%)

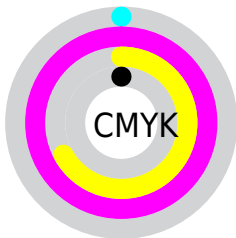
Blue (33%)



Red (100%)

Yellow (0%)

Blue (33%)

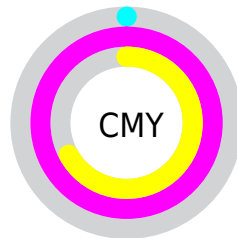


Cyan (0%)

Magenta (100%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (100%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 87.042, 19.641 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, 87.042, 19.641 by changing the saturation by 10% instead.

 54, 87.042, 19.641

 54, 87.042, 19.641

 100, 87.042,
19.641

 44, 87.042, 19.641

 74, 87.042, 19.641

 34, 87.042, 19.641

 84, 87.042, 19.641

 24, 87.042, 19.641

 94, 87.042, 19.641

 14, 87.042, 19.641

 4, 87.042, 19.641

 0, 87.042, 19.641

 54, 87.042, 19.641

 54, 87.042, 19.641

 54, 87.125, 19.840

 55, 83.060, 14.160

 57, 77.829, 9.553

60, 70.797, 5.880

64, 62.120, 2.992

69, 52.247, 0.708

75, 41.689,
358.868

81, 30.884,
357.353

87, 20.147,
356.074

94, 9.678, 354.954

Harmonies

Complementary

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



54, 87.042, 19.641



89, 73.525, 159.371

Rectangle

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



54, 87.042, 19.641



54, 87.042, 69.641



54, 87.042, 199.641



54, 87.042, 249.641

Sweetspot

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



54, 86.956, 19.608



81, 31.343, 357.412



47, 120.527, 316.164



40, 21.478, 358.022



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, 86.956, 19.608



54, 87.125, 19.840



55, 100.845, 42.137



50, 5.746, 354.946



40, 69.825, 18.758



10, 31.364, 10.766

Inverse Universe

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



54, 86.956, 19.608



54, 87.125, 19.840



79, 43.529, 228.860



50, 5.746, 354.946



40, 69.825, 18.758



10, 31.364, 10.766

Previews

White Background



This preview shows how the CIELCh color 54, 87.042, 19.641 looks on a white background.

Color Contrast Check

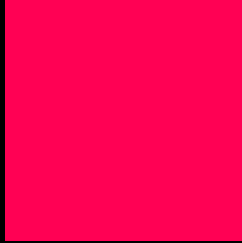
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.042, 19.641 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, 87.042, 19.641

Background



This preview shows how black text looks on a background with the CIELCh color 54, 87.042, 19.641.

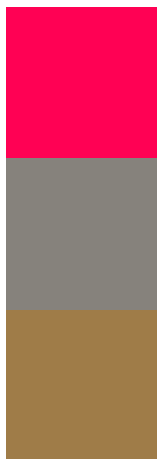


This preview shows how white text looks on a background with the CIELCh color 54, 87.042, 19.641.

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, 86.989, 19.674

Protanopia

55, 3.788, 84.456

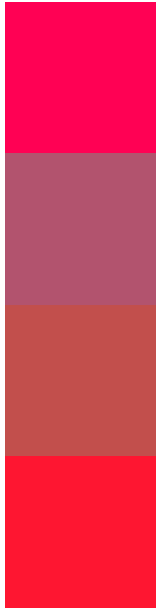
Deuteranopia

54, 34.087, 77.966



Tritanopia
54, 96.762, 37.656

Trichromacy



Original Color
54, 86.989, 19.674

Protanomaly
48, 41.558, 4.453

Deuteranomaly
49, 52.481, 28.990

Tritanomaly
54, 92.861, 32.007

Monochromacy



Original Color
54, 86.989, 19.674

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 41.626, 3.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 87.042, 19.641 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, 1, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 1, 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, 1, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 1, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 87.042, 19.641 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, 1, 84) }
```

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

```
.border{ border-color:rgb(255, 1, 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, 1, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 1, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 1, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 1, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 87.042, 19.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 1, 84) }
```

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

```
.background{ background-color: rgb(255, 1,  
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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