

Converting Colors

CIELCh(54, 86.376, 17.897)

Have a look what the booklet for
CIELCh(54, 86.376, 17.897) contains.

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Color

CIELCh(54, 86.336, 17.783)

Conversions

Conversions Part 1

Format	Color
Hex	FF0059
RGB	255, 0, 89
RGB Percent	100%, 0%, 35%
CMY	0.0001, 1.0000, 0.6510
CMYK	0.00, 1.00, 0.65, 0.00
HSL	339°, 100%, 50%
HSV	339°, 100%, 100%
XYZ	43.0330, 21.9746, 11.4210
YIQ	86.3910, 123.4110, 81.7390

Conversions

Conversions Part 2

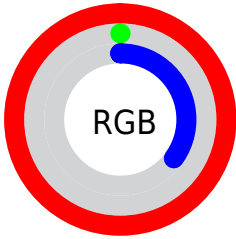
Format	Color
R _Y B	255, 0, 89
Decimal	16711769
CIE Lab	54.00, 82.21, 26.37
CIE LCh	54, 86.336, 17.783
Yxy	21.9746, 0.5630, 0.2875
Android (android.graphics.Color)	4294901849 (0xFFFF0059)
YUV	86.3910, 1.2862, 147.8701
Hunter-Lab	46.8770, 81.8277, 18.3687

Details

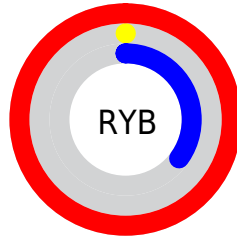
The CIELCh color **54, 86.336, 17.783** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **89, 75.693, 157.695**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.571, 8.618**, and **40, 73.069, 27.109** is the 20% darker color. If you saturate the color by 10%, you get **54, 86.331, 17.786**, and if you desaturate by 10%, it is **55, 82.859, 12.416**.

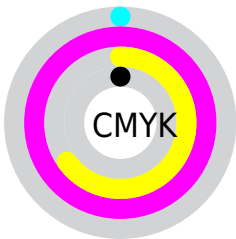
Distribution



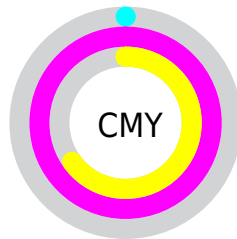
- Red (100%)
- Green (0%)
- Blue (35%)



- Red (100%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 86.336, 17.783 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, 86.336, 17.783 by changing the saturation by 10% instead.

 54, 86.336, 17.783

 54, 86.336, 17.783

 100, 86.336,
17.783

 44, 86.336, 17.783

 74, 86.336, 17.783

 34, 86.336, 17.783

 84, 86.336, 17.783

 24, 86.336, 17.783

 94, 86.336, 17.783

 14, 86.336, 17.783

 4, 86.336, 17.783

 0, 86.336, 17.783

 54, 86.336, 17.783

 54, 86.336, 17.783

 54, 86.331, 17.786

 55, 82.859, 12.416

 57, 78.012, 7.891

60, 71.269, 4.293

64, 62.782, 1.467

69, 53.008,
359.227

75, 42.474,
357.420

81, 31.634,
355.927

87, 20.816,
354.661

93, 10.234,
353.552

Harmonies

Complementary

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



54, 86.336, 17.783



89, 75.693, 157.695

Rectangle

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



54, 86.336, 17.783



54, 86.336, 67.783



54, 86.336, 197.783



54, 86.336, 247.783

Sweetspot

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



54, 86.331, 17.786



81, 31.636, 355.927



46, 121.064, 315.630



40, 21.666, 356.524



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, 86.331, 17.786



54, 86.337, 17.786



55, 101.682, 41.788



50, 5.814, 353.499



40, 69.254, 16.718



10, 31.311, 9.077

Inverse Universe

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



54, 86.331, 17.786



54, 86.337, 17.786



80, 43.564, 225.303



50, 5.814, 353.499



40, 69.254, 16.718



10, 31.311, 9.077

Previews

White Background



This preview shows how the CIELCh color 54, 86.336, 17.783 looks on a white background.

Color Contrast Check

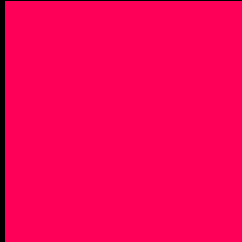
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.336, 17.783 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, 86.336, 17.783

Background



This preview shows how black text looks on a background with the CIELCh color 54, 86.336, 17.783.



This preview shows how white text looks on a background with the CIELCh color 54, 86.336, 17.783.

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, 86.336, 17.783

Protanopia

55, 1.329, 353.630

Deuteranopia

55, 31.079, 77.615



Tritanopia
54, 95.470, 37.204

Trichromacy



Original Color
54, 86.336, 17.783



Protanomaly
48, 41.815, 359.469



Deuteranomaly
49, 50.558, 25.805



Tritanomaly
54, 91.770, 30.917

Monochromacy



Original Color
54, 86.336, 17.783



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 41.802, 1.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 86.336, 17.783 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 86.336, 17.783 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, 89) }
```

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

```
.border{ border-color:rgb(255, 0, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 86.336, 17.783 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, 89) }
```

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

```
.background{ background-color: rgb(255, 0,  
89) }
```

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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