

Converting Colors

CIELCh(54, 88.122, 22.016)

Have a look what the booklet for
CIELCh(54, 88.122, 22.016) contains.

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Color

CIELCh(54, 87.921, 21.886)

Conversions

Conversions Part 1

Format	Color
Hex	FF044E
RGB	255, 4, 78
RGB Percent	100%, 2%, 31%
CMY	0.0000, 0.9854, 0.6929
CMYK	0.00, 0.99, 0.69, 0.00
HSL	342°, 100%, 51%
HSV	342°, 99%, 100%
XYZ	42.8227, 21.9746, 9.2486
YIQ	87.4850, 125.8420, 76.2260

Conversions

Conversions Part 2

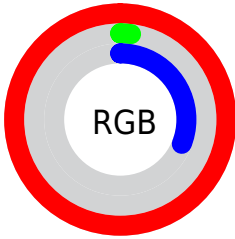
Format	Color
RYB	255, 4, 78
Decimal	16712782
CIELab	54.00, 81.58, 32.77
CIELCh	54, 87.921, 21.886
Yxy	21.9746, 0.5783, 0.2968
Android (android.graphics.Color)	4294902862 (0xFFFF044E)
YUV	87.4850, -4.6761, 146.9107
Hunter-Lab	46.8770, 81.0268, 21.1163

Details

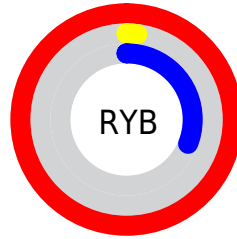
The CIELCh color **54, 87.921, 21.886** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **89, 70.406, 161.958**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.505, 14.846**, and **39, 74.986, 30.637** is the 20% darker color. If you saturate the color by 10%, you get **54, 88.441, 22.642**, and if you desaturate by 10%, it is **55, 83.246, 16.340**.

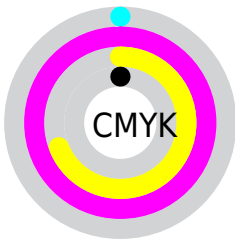
Distribution



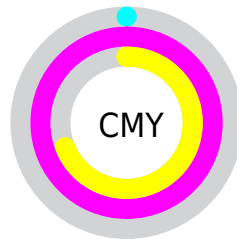
- Red (100%)
- Green (2%)
- Blue (31%)



- Red (100%)
- Yellow (2%)
- Blue (31%)



- Cyan (0%)
- Magenta (99%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (99%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 87.921, 21.886 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, 87.921, 21.886 by changing the saturation by 10% instead.

 54, 87.921, 21.886

 54, 87.921, 21.886

 100, 87.921,
21.886

 44, 87.921, 21.886

 74, 87.921, 21.886

 34, 87.921, 21.886

 84, 87.921, 21.886

 24, 87.921, 21.886

 94, 87.921, 21.886

 14, 87.921, 21.886

 4, 87.921, 21.886

 0, 87.921, 21.886

 54, 87.921, 21.886

 54, 87.921, 21.886

 54, 88.441, 22.642

 55, 83.246, 16.340

 57, 77.388, 11.690

61, 69.862, 7.969

65, 60.847, 5.041

70, 50.787, 2.726

75, 40.170, 0.867

81, 29.406,
359.341

88, 18.785,
358.057

94, 8.483, 356.932

Harmonies

Complementary

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



54, 87.921, 21.886



89, 70.406, 161.958

Rectangle

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



54, 87.921, 21.886



54, 87.921, 71.886



54, 87.921, 201.886



54, 87.921, 251.886

Sweetspot

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



54, 87.780, 21.836



80, 30.972, 359.547



48, 119.442, 317.276



40, 21.242, 0.172



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, 87.780, 21.836



54, 88.441, 22.642



56, 98.860, 43.027



50, 5.657, 357.036



40, 70.794, 21.551



10, 31.474, 12.972

Inverse Universe

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



54, 87.780, 21.836



54, 88.441, 22.642



77, 43.892, 235.854



50, 5.657, 357.036



40, 70.794, 21.551



10, 31.474, 12.972

Previews

White Background



This preview shows how the CIELCh color 54, 87.921, 21.886 looks on a white background.

Color Contrast Check

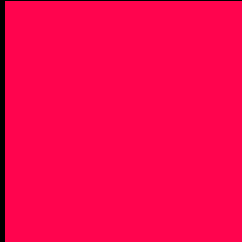
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.921, 21.886 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, 87.921, 21.886

Background



This preview shows how black text looks on a background with the CIELCh color 54, 87.921, 21.886.



This preview shows how white text looks on a background with the CIELCh color 54, 87.921, 21.886.

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, 87.818, 21.953

Protanopia

55, 8.390, 91.935

Deuteranopia

54, 37.258, 79.112



Tritanopia
54, 97.665, 38.060

Trichromacy



Original Color
54, 87.818, 21.953



Protanomaly
48, 41.216, 11.583



Deuteranomaly
49, 54.026, 32.834



Tritanomaly
54, 93.883, 33.100

Monochromacy



Original Color
54, 87.818, 21.953



Achromatopsia
37, 0.005, 296.813



Achromatomaly
38, 41.011, 5.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 87.921, 21.886 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, 4, 78)` looks like.

```
.text, #text, p{  
  color:rgb(255, 4, 78)  
}
```

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, 4, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 4, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 87.921, 21.886 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, 4, 78) }
```

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

```
.border{ border-color:rgb(255, 4, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 4, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 4, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 4, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 4, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 87.921, 21.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 4, 78) }
```

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

```
.background{ background-color: rgb(255, 4,  
78) }
```

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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