

Converting Colors

CIELCh(54, 89.343, 24.274)

Have a look what the booklet for
CIELCh(54, 89.343, 24.274) contains.

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Color

CIELCh(54, 88.942, 24.065)

Conversions

Conversions Part 1

Format	Color
Hex	FF0648
RGB	255, 6, 72
RGB Percent	100%, 2%, 28%
CMY	0.0000, 0.9755, 0.7161
CMYK	0.00, 0.98, 0.72, 0.00
HSL	344°, 100%, 51%
HSV	344°, 98%, 100%
XYZ	42.6978, 21.9746, 8.1890
YIQ	87.9750, 127.2180, 73.3140

Conversions

Conversions Part 2

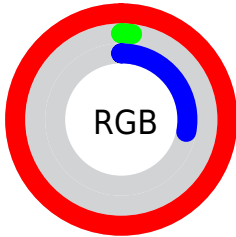
Format	Color
RYB	255, 6, 72
Decimal	16713288
CIELab	54.00, 81.21, 36.27
CIELCh	54, 88.942, 24.065
Yxy	21.9746, 0.5860, 0.3016
Android (android.graphics.Color)	4294903368 (0xFFFF0648)
YUV	87.9750, -7.8757, 146.4809
Hunter-Lab	46.8770, 80.5514, 22.4565

Details

The CIELCh color **54, 88.942, 24.065** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **89, 67.393, 164.744**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 64.055, 18.282**, and **39, 76.588, 32.812** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.001, 25.360**, and if you desaturate by 10%, it is **55, 83.554, 18.514**.

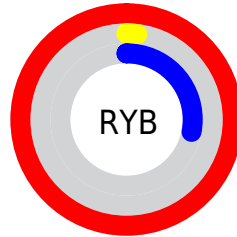
Distribution



Red (100%)

Green (2%)

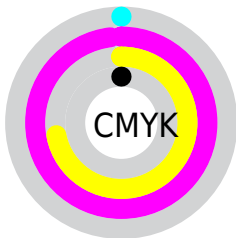
Blue (28%)



Red (100%)

Yellow (2%)

Blue (28%)

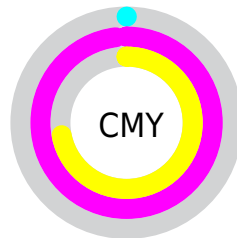


Cyan (0%)

Magenta (98%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (98%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 88.942, 24.065 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, 88.942, 24.065 by changing the saturation by 10% instead.

 54, 88.942, 24.065

 54, 88.942, 24.065

 100, 88.942,
24.065

 44, 88.942, 24.065

 74, 88.942, 24.065

 34, 88.942, 24.065

 84, 88.942, 24.065

 24, 88.942, 24.065

 94, 88.942, 24.065

 14, 88.942, 24.065

 4, 88.942, 24.065

 0, 88.942, 24.065

 54, 88.942, 24.065

 54, 88.942, 24.065

 54, 90.001, 25.360

 55, 83.554, 18.514

 57, 77.062, 13.850

61, 69.038, 10.101

65, 59.683, 7.147

70, 49.432, 4.814

76, 38.753, 2.945

82, 28.025, 1.416

88, 17.512, 0.133

95, 7.369, 359.008

Harmonies

Complementary

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



54, 88.942, 24.065



89, 67.393, 164.744

Rectangle

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



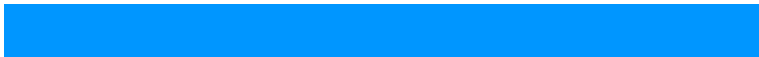
54, 88.942, 24.065



54, 88.942, 74.065



54, 88.942, 204.065



54, 88.942, 254.065

Sweetspot

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



54, 88.752, 24.006



81, 29.575, 1.621



50, 118.459, 318.423



40, 20.426, 2.255



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, 88.752, 24.006



54, 90.001, 25.360



57, 96.719, 44.202



50, 5.575, 359.223



40, 71.961, 24.275



10, 31.617, 15.015

Inverse Universe

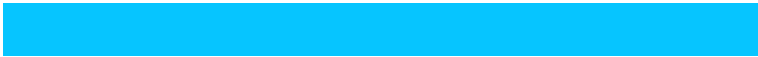
The Inverse Universe completely reimagines the original color for something new.



54, 88.752, 24.006



54, 90.001, 25.360



74, 44.833, 242.630



50, 5.575, 359.223



40, 71.961, 24.275



10, 31.617, 15.015

Previews

White Background



This preview shows how the CIELCh color 54, 88.942, 24.065 looks on a white background.

Color Contrast Check

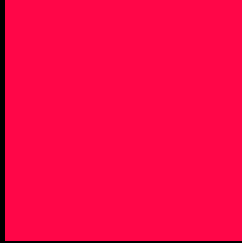
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.942, 24.065 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, 88.942, 24.065

Background



This preview shows how black text looks on a background with the CIELCh color 54, 88.942, 24.065.



This preview shows how white text looks on a background with the CIELCh color 54, 88.942, 24.065.

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, 88.842, 24.132

Protanopia

54, 12.932, 95.355

Deuteranopia

54, 40.840, 80.200



Tritanopia
54, 98.524, 38.434

Trichromacy



Original Color
54, 88.842, 24.132



Protanomaly
48, 41.514, 17.918



Deuteranomaly
49, 55.366, 36.406



Tritanomaly
54, 94.984, 34.077

Monochromacy



Original Color
54, 88.842, 24.132



Achromatopsia
37, 0.005, 296.813



Achromatomaly
38, 40.856, 7.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 88.942, 24.065 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, 6, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 6, 72)  
}
```

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, 6, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 6, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 88.942, 24.065 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, 6, 72) }
```

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

```
.border{ border-color:rgb(255, 6, 72) }
```

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

Here you see how a box with a 4 pixel rgb(255, 6, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 6, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 6, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 6, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 88.942, 24.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 6, 72) }
```

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

```
.background{ background-color: rgb(255, 6,  
72) }
```

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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