

Converting Colors

CIELCh(54, 99.862, 20.245)

Have a look what the booklet for
CIELCh(54, 99.862, 20.245) contains.

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Color

CIELCh(54, 88.202, 22.176)

Conversions

Conversions Part 1

Format	Color
Hex	FF024D
RGB	255, 2, 77
RGB Percent	100%, 1%, 30%
CMY	0.0000, 0.9902, 0.6963
CMYK	0.00, 0.99, 0.70, 0.00
HSL	342°, 100%, 50%
HSV	342°, 99%, 100%
XYZ	42.8539, 21.9746, 9.0859
YIQ	86.1970, 126.7130, 76.9610

Conversions

Conversions Part 2

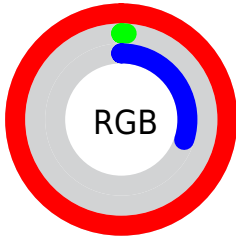
Format	Color
RYB	255, 2, 77
Decimal	16712269
CIELab	54.00, 81.68, 33.29
CIElCh	54, 88.202, 22.176
Yxy	21.9746, 0.5798, 0.2973
Android (android.graphics.Color)	4294902349 (0xFFFF024D)
YUV	86.1970, -4.5341, 148.0402
Hunter-Lab	46.8770, 81.1459, 21.3221

Details

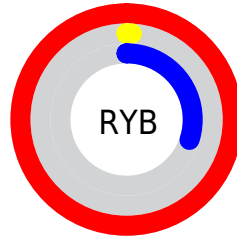
The CIELCh color **54, 88.202, 22.176** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **89, 70.561, 161.854**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.917, 15.053**, and **39, 75.250, 31.015** 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, 83.488, 16.586**.

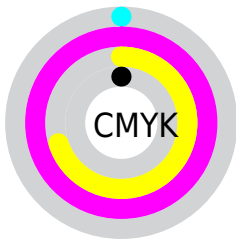
Distribution



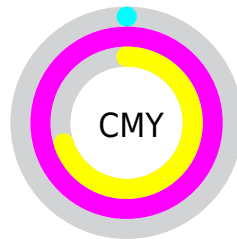
- Red (100%)
- Green (1%)
- Blue (30%)



- Red (100%)
- Yellow (1%)
- Blue (30%)



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 88.202, 22.176 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, 88.202, 22.176 by changing the saturation by 10% instead.

 54, 88.202, 22.176

 54, 88.202, 22.176

 100, 88.202,
22.176

 44, 88.202, 22.176

 74, 88.202, 22.176

 34, 88.202, 22.176

 84, 88.202, 22.176

 24, 88.202, 22.176

 94, 88.202, 22.176

 14, 88.202, 22.176

 4, 88.202, 22.176

 0, 88.202, 22.176

 54, 88.202, 22.176

 54, 88.202, 22.176

 54, 88.441, 22.642

 55, 83.488, 16.586

 57, 77.706, 11.891

60, 70.259, 8.128

65, 61.307, 5.166

69, 51.285, 2.826

75, 40.684, 0.948

81, 29.920,
359.408

87, 19.287,
358.114

94, 8.967, 356.984

Harmonies

Complementary

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



54, 88.202, 22.176



89, 70.561, 161.854

Rectangle

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



54, 88.202, 22.176



54, 88.202, 72.176



54, 88.202, 202.176



54, 88.202, 252.176

Sweetspot

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



54, 87.994, 22.102



80, 30.972, 359.547



48, 119.586, 317.243



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, 87.994, 22.102



54, 88.441, 22.642



56, 99.194, 43.025



50, 5.657, 357.036



40, 70.794, 21.551



10, 31.474, 12.972

Inverse Universe

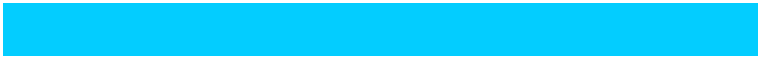
The Inverse Universe completely reimagines the original color for something new.



54, 87.994, 22.102



54, 88.441, 22.642



76, 43.936, 236.044



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, 88.202, 22.176 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, 88.202, 22.176 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, 88.202, 22.176

Background



This preview shows how black text looks on a background with the CIELCh color 54, 88.202, 22.176.



This preview shows how white text looks on a background with the CIELCh color 54, 88.202, 22.176.

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, 88.099, 22.243

Protanopia

54, 8.941, 92.912

Deuteranopia

54, 37.743, 79.377



Tritanopia
54, 97.665, 38.060

Trichromacy



Original Color
54, 88.099, 22.243



Protanomaly
48, 41.228, 12.388



Deuteranomaly
49, 54.026, 32.834



Tritanomaly
54, 93.960, 33.043

Monochromacy



Original Color
54, 88.099, 22.243



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 41.463, 4.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 88.202, 22.176 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 2, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 2, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 88.202, 22.176 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, 77) }
```

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

```
.border{ border-color:rgb(255, 2, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 2, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 2, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 2, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 88.202, 22.176 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, 77) }
```

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

```
.background{ background-color: rgb(255, 2,  
77) }
```

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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