

Converting Colors

CIELCh(54, 88.478, 24.005)

Have a look what the booklet for
CIELCh(54, 88.478, 24.005) contains.

CIELCh(54, 88.444, 23.921)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(54, 88.444, 23.921)

Conversions

Conversions Part 1

Format	Color
Hex	FF0A49
RGB	255, 10, 73
RGB Percent	100%, 4%, 29%
CMY	0.0000, 0.9596, 0.7136
CMYK	0.00, 0.96, 0.71, 0.00
HSL	345°, 100%, 52%
HSV	345°, 96%, 100%
XYZ	42.5761, 21.9746, 8.3077
YIQ	90.4370, 125.7970, 71.5330

Conversions

Conversions Part 2

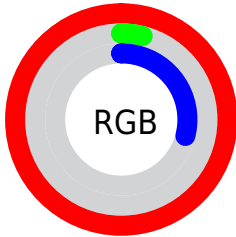
Format	Color
R_{YB}	255, 10, 73
Decimal	16714313
CIE _{Lab}	54.00, 80.85, 35.86
CIE _{LCh}	54, 88.444, 23.921
Yxy	21.9746, 0.5844, 0.3016
Android (android.graphics.Color)	4294904393 (0xFFFF0A49)
YUV	90.4370, -8.5964, 144.3218
Hunter-Lab	46.8770, 80.0878, 22.3063

Details

The CIELCh color **54, 88.444, 23.921** 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 **90, 66.143, 165.907**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.622, 18.097**, and **39, 76.319, 32.465** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.521, 26.166**, and if you desaturate by 10%, it is **55, 82.889, 18.519**.

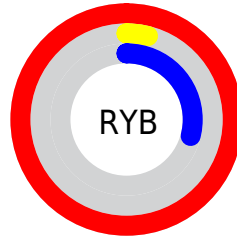
Distribution



Red (100%)

Green (4%)

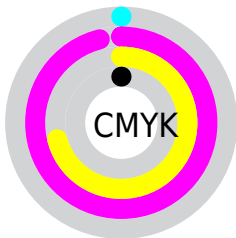
Blue (29%)



Red (100%)

Yellow (4%)

Blue (29%)

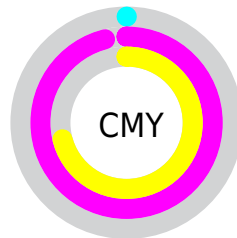


Cyan (0%)

Magenta (96%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (96%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 88.444, 23.921 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, 88.444, 23.921 by changing the saturation by 10% instead.

 54, 88.444, 23.921

 54, 88.444, 23.921

 100, 88.444,
23.921

 44, 88.444, 23.921

 74, 88.444, 23.921

 34, 88.444, 23.921

 84, 88.444, 23.921

 24, 88.444, 23.921

 94, 88.444, 23.921

 14, 88.444, 23.921

 4, 88.444, 23.921

 0, 88.444, 23.921

 54, 88.444, 23.921

 54, 88.444, 23.921

 54, 90.521, 26.166

 55, 82.889, 18.519

 58, 76.012, 13.975

61, 67.651, 10.333

66, 58.056, 7.465

71, 47.672, 5.197

77, 36.951, 3.378

83, 26.252, 1.886

89, 15.813, 0.632

96, 5.772, 359.512

Harmonies

Complementary

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



54, 88.444, 23.921



90, 66.143, 165.907

Rectangle

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



54, 88.444, 23.921



54, 88.444, 73.921



54, 88.444, 203.921



54, 88.444, 253.921

Sweetspot

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



54, 88.421, 23.917



81, 29.485, 2.311



50, 118.023, 318.527



40, 20.371, 2.948



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, 88.421, 23.917



54, 90.521, 26.166



57, 95.607, 44.332



50, 5.551, 359.907



40, 72.353, 25.085



10, 31.666, 15.604

Inverse Universe

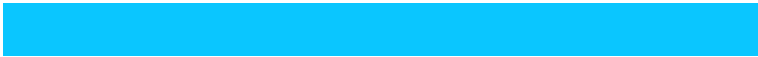
The Inverse Universe completely reimagines the original color for something new.



54, 88.421, 23.917



54, 90.521, 26.166



75, 44.616, 241.911



50, 5.551, 359.907



40, 72.353, 25.085



10, 31.666, 15.604

Previews

White Background



This preview shows how the CIELCh color 54, 88.444, 23.921 looks on a white background.

Color Contrast Check

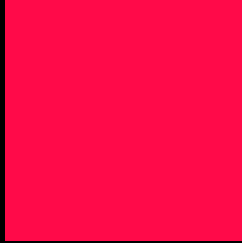
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.444, 23.921 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, 88.444, 23.921

Background



This preview shows how black text looks on a background with the CIELCh color 54, 88.444, 23.921.



This preview shows how white text looks on a background with the CIELCh color 54, 88.444, 23.921.

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, 88.444, 23.921

Protanopia

54, 12.376, 94.854

Deuteranopia

54, 40.368, 79.981



Tritanopia
54, 97.991, 38.164

Trichromacy



Original Color
54, 88.444, 23.921



Protanomaly
49, 41.033, 17.705



Deuteranomaly
50, 54.577, 36.870



Tritanomaly
54, 94.574, 33.940

Monochromacy



Original Color
54, 88.444, 23.921



Achromatopsia
39, 0.005, 296.813



Achromatomaly
39, 39.885, 8.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 88.444, 23.921 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, 10, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 73)  
}
```

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, 10, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 88.444, 23.921 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, 10, 73) }
```

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

```
.border{ border-color:rgb(255, 10, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 88.444, 23.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 73) }
```

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

```
.background{ background-color: rgb(255, 10,  
73) }
```

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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