

Converting Colors

CIELCh(54, 88.000, 23.692)

Have a look what the booklet for
CIELCh(54, 88.000, 23.692) contains.

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Color

CIELCh(54, 88.087, 23.682)

Conversions

Conversions Part 1

Format	Color
Hex	FF0C4A
RGB	255, 12, 74
RGB Percent	100%, 5%, 29%
CMY	0.0009, 0.9520, 0.7105
CMYK	0.00, 0.95, 0.71, 0.00
HSL	345°, 100%, 52%
HSV	345°, 95%, 100%
XYZ	42.5166, 21.9746, 8.4498
YIQ	91.7250, 124.9260, 70.7980

Conversions

Conversions Part 2

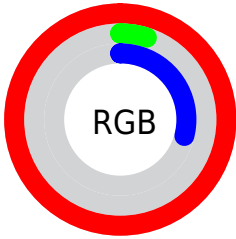
Format	Color
R_{YB}	255, 12, 74
Decimal	16714826
CIE _{Lab}	54.00, 80.67, 35.38
CIE _{LCh}	54, 88.087, 23.682
Yxy	21.9746, 0.5829, 0.3013
Android (android.graphics.Color)	4294904906 (0xFFFF0C4A)
YUV	91.7250, -8.7384, 143.1922
Hunter-Lab	46.8770, 79.8616, 22.1266

Details

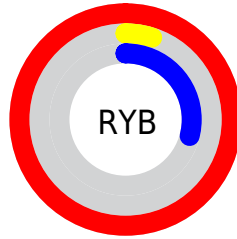
The CIELCh color **54, 88.087, 23.682** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 65.678, 166.285**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 63.530, 17.607**, and **39, 76.051, 32.112** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.591, 26.368**, and if you desaturate by 10%, it is **55, 82.421, 18.341**.

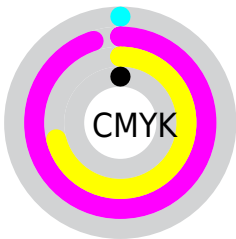
Distribution



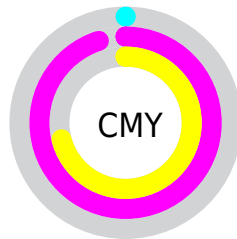
- Red (100%)
- Green (5%)
- Blue (29%)



- Red (100%)
- Yellow (5%)
- Blue (29%)



- Cyan (0%)
- Magenta (95%)
- Yellow (71%)
- Black (0%)



- Cyan (0%)
- Magenta (95%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 88.087, 23.682 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, 88.087, 23.682 by changing the saturation by 10% instead.

 54, 88.087, 23.682

 54, 88.087, 23.682

 100, 88.087,
23.682

 44, 88.087, 23.682

 74, 88.087, 23.682

 34, 88.087, 23.682

 84, 88.087, 23.682

 24, 88.087, 23.682

 94, 88.087, 23.682

 14, 88.087, 23.682

 4, 88.087, 23.682

 0, 88.087, 23.682

 54, 88.087, 23.682

 54, 88.087, 23.682

 54, 90.591, 26.368

 55, 82.421, 18.341

 58, 75.397, 13.862

62, 66.908, 10.279

66, 57.225, 7.457

71, 46.799, 5.225

77, 36.074, 3.432

83, 25.398, 1.961

90, 15.000, 0.721

96, 5.010, 359.599

Harmonies

Complementary

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



54, 88.087, 23.682



90, 65.678, 166.285

Rectangle

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



54, 88.087, 23.682



54, 88.087, 73.682



54, 88.087, 203.682



54, 88.087, 253.682

Sweetspot

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



54, 88.083, 23.684



81, 29.463, 2.489



50, 117.717, 318.578



40, 20.357, 3.127



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, 88.083, 23.684



54, 90.657, 26.371



58, 94.984, 44.398



50, 5.546, 0.084



40, 72.456, 25.292



10, 31.679, 15.753

Inverse Universe

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



54, 88.083, 23.684



54, 90.657, 26.371



75, 44.479, 241.562



50, 5.546, 0.084



40, 72.456, 25.292



10, 31.679, 15.753

Previews

White Background



This preview shows how the CIELCh color 54, 88.087, 23.682 looks on a white background.

Color Contrast Check

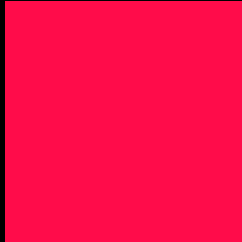
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.087, 23.682 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, 88.087, 23.682

Background



This preview shows how black text looks on a background with the CIELCh color 54, 88.087, 23.682.



This preview shows how white text looks on a background with the CIELCh color 54, 88.087, 23.682.

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, 88.144, 23.643

Protanopia

54, 12.376, 94.854

Deuteranopia

54, 39.665, 80.349



Tritanopia
54, 97.665, 38.060

Trichromacy



Original Color
54, 88.144, 23.643



Protanomaly
49, 40.631, 18.299



Deuteranomaly
50, 53.861, 36.399



Tritanomaly
54, 94.151, 33.809

Monochromacy



Original Color
54, 88.144, 23.643



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 39.456, 8.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 88.087, 23.682 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, 12, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 12, 74)  
}
```

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, 12, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 88.087, 23.682 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, 12, 74) }
```

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

```
.border{ border-color:rgb(255, 12, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 12, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 88.087, 23.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 74) }
```

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

```
.background{ background-color: rgb(255, 12,  
74) }
```

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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