

Converting Colors

CIELCh(54, 88.055, 23.236)

Have a look what the booklet for
CIELCh(54, 88.055, 23.236) contains.

CIELCh(54, 88.059, 23.220)	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, 88.059, 23.220)

Conversions

Conversions Part 1

Format	Color
Hex	FF0A4B
RGB	255, 10, 75
RGB Percent	100%, 4%, 29%
CMY	0.0001, 0.9611, 0.7060
CMYK	0.00, 0.96, 0.71, 0.00
HSL	344°, 100%, 52%
HSV	344°, 96%, 100%
XYZ	42.6024, 21.9746, 8.6483
YIQ	90.6650, 125.1550, 72.1550

Conversions

Conversions Part 2

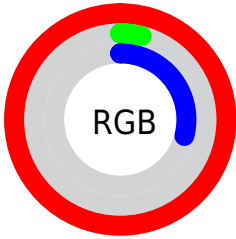
Format	Color
R_{YB}	255, 10, 75
Decimal	16714315
CIE Lab	54.00, 80.93, 34.72
CIE LCh	54, 88.059, 23.220
Yxy	21.9746, 0.5818, 0.3001
Android (android.graphics.Color)	4294904395 (0xFFFF0A4B)
YUV	90.6650, -7.7228, 144.1218
Hunter-Lab	46.8770, 80.1881, 21.8756

Details

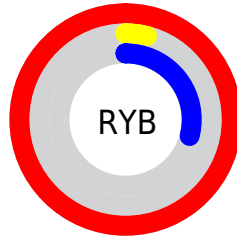
The CIELCh color **54, 88.059, 23.220** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 66.936, 165.088**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.363, 16.623**, and **39, 75.783, 31.752** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.013, 25.396**, and if you desaturate by 10%, it is **55, 82.711, 17.820**.

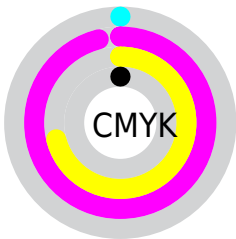
Distribution



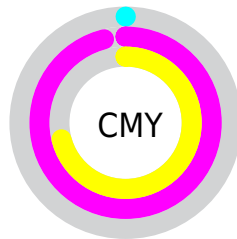
- Red (100%)
- Green (4%)
- Blue (29%)



- 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, 88.059, 23.220 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, 88.059, 23.220 by changing the saturation by 10% instead.

 54, 88.059, 23.220

 54, 88.059, 23.220

 100, 88.059,
23.220

 44, 88.059, 23.220

 74, 88.059, 23.220

 34, 88.059, 23.220

 84, 88.059, 23.220

 24, 88.059, 23.220

 94, 88.059, 23.220

 14, 88.059, 23.220

 4, 88.059, 23.220

 0, 88.059, 23.220

 54, 88.059, 23.220

 54, 88.059, 23.220

 54, 90.013, 25.396

 55, 82.711, 17.820

 58, 75.995, 13.289

61, 67.755, 9.663

66, 58.240, 6.808

71, 47.900, 4.550

77, 37.193, 2.737

83, 26.485, 1.248

89, 16.020,
359.994

96, 5.940, 358.875

Harmonies

Complementary

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



54, 88.059, 23.220



90, 66.936, 165.088

Rectangle

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



54, 88.059, 23.220



54, 88.059, 73.220



54, 88.059, 203.220



54, 88.059, 253.220

Sweetspot

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



54, 88.055, 23.222



81, 29.571, 1.651



50, 118.049, 318.518



40, 20.424, 2.285



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, 88.055, 23.222



54, 90.024, 25.396



57, 95.698, 44.318



50, 5.574, 359.253



40, 71.978, 24.310



10, 31.619, 15.042

Inverse Universe

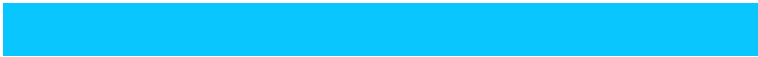
The Inverse Universe completely reimagines the original color for something new.



54, 88.055, 23.222



54, 90.024, 25.396



75, 44.630, 241.977



50, 5.574, 359.253



40, 71.978, 24.310



10, 31.619, 15.042

Previews

White Background



This preview shows how the CIELCh color 54, 88.059, 23.220 looks on a white background.

Color Contrast Check

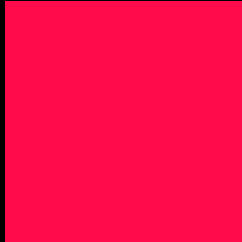
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.059, 23.220 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, 88.059, 23.220

Background



This preview shows how black text looks on a background with the CIELCh color 54, 88.059, 23.220.



This preview shows how white text looks on a background with the CIELCh color 54, 88.059, 23.220.

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, 88.059, 23.220

Protanopia

54, 11.266, 93.681

Deuteranopia

54, 39.187, 80.119



Tritanopia
54, 97.665, 38.060

Trichromacy



Original Color
54, 88.059, 23.220



Protanomaly
49, 40.899, 16.098



Deuteranomaly
50, 54.017, 35.854

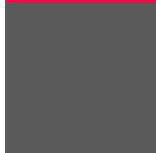


Tritanomaly
54, 93.978, 33.485

Monochromacy



Original Color
54, 88.059, 23.220



Achromatopsia
39, 0.005, 296.813



Achromatomaly
39, 39.911, 7.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 88.059, 23.220 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 88.059, 23.220 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, 75) }
```

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

```
.border{ border-color:rgb(255, 10, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 88.059, 23.220 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, 75) }
```

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

```
.background{ background-color: rgb(255, 10,  
75) }
```

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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