

Converting Colors

CIELCh(54, 87.726, 22.610)

Have a look what the booklet for
CIELCh(54, 87.726, 22.610) contains.

CIELCh(54, 87.689, 22.512)	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, 87.689, 22.512)

Conversions

Conversions Part 1

Format	Color
Hex	FF0A4D
RGB	255, 10, 77
RGB Percent	100%, 4%, 30%
CMY	0.0005, 0.9626, 0.6984
CMYK	0.00, 0.96, 0.70, 0.00
HSL	344°, 100%, 52%
HSV	344°, 96%, 100%
XYZ	42.6295, 21.9746, 8.9982
YIQ	90.8930, 124.5130, 72.7770

Conversions

Conversions Part 2

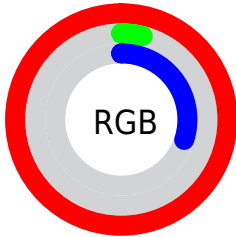
Format	Color
RYB	255, 10, 77
Decimal	16714317
CIELab	54.00, 81.01, 33.57
CIElCh	54, 87.689, 22.512
Yxy	21.9746, 0.5792, 0.2986
Android (android.graphics.Color)	4294904397 (0xFFFF0A4D)
YUV	90.8930, -6.8492, 143.9218
Hunter-Lab	46.8770, 80.2912, 21.4330

Details

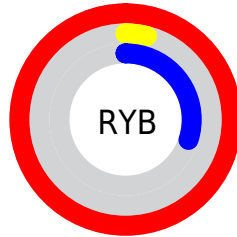
The CIELCh color **54, 87.689, 22.512** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **89, 67.732, 164.280**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.217, 15.633**, and **39, 75.250, 31.015** is the 20% darker color. If you saturate the color by 10%, you get **54, 89.504, 24.607**, and if you desaturate by 10%, it is **55, 82.532, 17.113**.

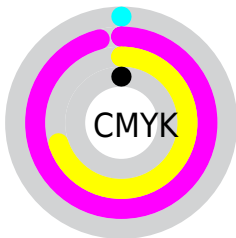
Distribution



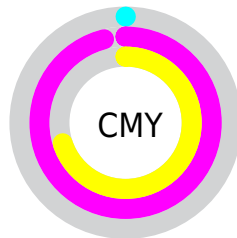
- Red (100%)
- Green (4%)
- Blue (30%)



- Red (100%)
- Yellow (4%)
- Blue (30%)



- Cyan (0%)
- Magenta (96%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (96%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 87.689, 22.512 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, 87.689, 22.512 by changing the saturation by 10% instead.

 54, 87.689, 22.512

 54, 87.689, 22.512

 100, 87.689,
22.512

 44, 87.689, 22.512

 74, 87.689, 22.512

 34, 87.689, 22.512

 84, 87.689, 22.512

 24, 87.689, 22.512

 94, 87.689, 22.512

 14, 87.689, 22.512

 4, 87.689, 22.512

 0, 87.689, 22.512

 54, 87.689, 22.512

 54, 87.689, 22.512

 54, 89.504, 24.607

 55, 82.532, 17.113

 58, 75.977, 12.597

61, 67.860, 8.989

66, 58.425, 6.150

71, 48.130, 3.903

77, 37.438, 2.096

83, 26.722, 0.611

89, 16.231,
359.358

96, 6.113, 358.241

Harmonies

Complementary

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



54, 87.689, 22.512



89, 67.732, 164.280

Rectangle

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



54, 87.689, 22.512



54, 87.689, 72.512



54, 87.689, 202.512



54, 87.689, 252.512

Sweetspot

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



54, 87.685, 22.514



81, 29.661, 0.992



49, 118.381, 317.967



40, 20.480, 1.623



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, 87.685, 22.514



54, 89.541, 24.609



57, 96.518, 43.676



50, 5.597, 358.601



40, 71.615, 23.520



10, 31.574, 14.460

Inverse Universe

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



54, 87.685, 22.514



54, 89.541, 24.609



76, 44.075, 238.517



50, 5.597, 358.601



40, 71.615, 23.520



10, 31.574, 14.460

Previews

White Background



This preview shows how the CIELCh color 54, 87.689, 22.512 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, 87.689, 22.512 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, 87.689, 22.512

Background



This preview shows how black text looks on a background with the CIELCh color 54, 87.689, 22.512.



This preview shows how white text looks on a background with the CIELCh color 54, 87.689, 22.512.

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, 87.689, 22.512

Protanopia

54, 9.494, 93.767

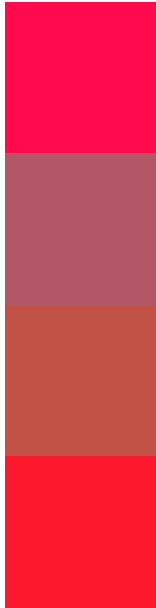
Deuteranopia

54, 37.743, 79.377



Tritanopia
54, 97.439, 37.877

Trichromacy



Original Color
54, 87.689, 22.512

Protanomaly
48, 40.358, 13.474

Deuteranomaly
49, 53.307, 34.334

Tritanomaly
54, 93.722, 33.222

Monochromacy



Original Color
54, 87.689, 22.512

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 40.406, 6.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 87.689, 22.512 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 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, 10, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 87.689, 22.512 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, 77) }
```

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

```
.border{ border-color:rgb(255, 10, 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, 10, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 87.689, 22.512 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, 77) }
```

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

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