

Converting Colors

CIELCh(54, 92.094, 28.871)

Have a look what the booklet for
CIELCh(54, 92.094, 28.871) contains.

CIELCh(54, 91.777, 28.830)	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, 91.777, 28.830)

Conversions

Conversions Part 1

Format	Color
Hex	FF0C3B
RGB	255, 12, 59
RGB Percent	100%, 5%, 23%
CMY	0.0000, 0.9534, 0.7705
CMYK	0.00, 0.95, 0.77, 0.00
HSL	348°, 100%, 52%
HSV	348°, 95%, 100%
XYZ	42.4275, 21.9746, 6.0775
YIQ	90.0150, 129.7410, 66.1330

Conversions

Conversions Part 2

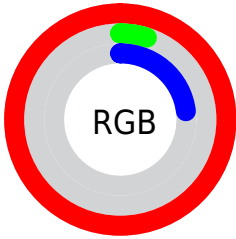
Format	Color
R_{YB}	255, 12, 59
Decimal	16714811
CIE _{Lab}	54.00, 80.40, 44.26
CIE _{LCh}	54, 91.777, 28.830
Yxy	21.9746, 0.6020, 0.3118
Android (android.graphics.Color)	4294904891 (0xFFFF0C3B)
YUV	90.0150, -15.2904, 144.6918
Hunter-Lab	46.8770, 79.5221, 25.1271

Details

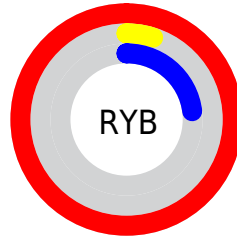
The CIELCh color **54, 91.777, 28.830** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 60.856, 172.153**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.456, 24.753**, and **39, 79.708, 36.413** is the 20% darker color. If you saturate the color by 10%, you get **53, 94.432, 31.214**, and if you desaturate by 10%, it is **55, 84.731, 23.509**.

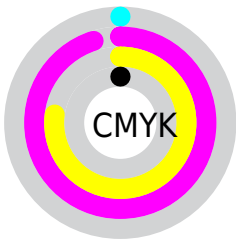
Distribution



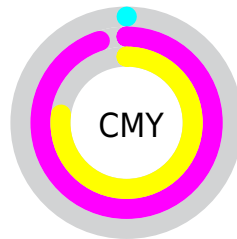
- Red (100%)
- Green (5%)
- Blue (23%)



- Red (100%)
- Yellow (5%)
- Blue (23%)



- Cyan (0%)
- Magenta (95%)
- Yellow (77%)
- Black (0%)



- Cyan (0%)
- Magenta (95%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 91.777, 28.830 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, 91.777, 28.830 by changing the saturation by 10% instead.

 54, 91.777, 28.830

 54, 91.777, 28.830

 100, 91.777,
28.830

 44, 91.777, 28.830

 74, 91.777, 28.830

 34, 91.777, 28.830

 84, 91.777, 28.830

 24, 91.777, 28.830

 94, 91.777, 28.830

 14, 91.777, 28.830

 4, 91.777, 28.830

 0, 91.777, 28.830

 54, 91.777, 28.830

 54, 91.777, 28.830

 53, 94.432, 31.214

 55, 84.731, 23.509

 58, 76.742, 18.932

61, 67.536, 15.208

66, 57.368, 12.261

71, 46.653, 9.941

77, 35.801, 8.095

83, 25.127, 6.599

90, 14.833, 5.356

96, 5.024, 4.246

Harmonies

Complementary

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



54, 91.777, 28.830



90, 60.856, 172.153

Rectangle

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



54, 91.777, 28.830



54, 91.777, 78.830



54, 91.777, 208.830



54, 91.777, 258.830

Sweetspot

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



54, 91.513, 28.771



81, 29.003, 7.113



53, 116.708, 320.811



40, 20.080, 7.760



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, 91.513, 28.771



53, 94.432, 31.214



60, 91.992, 47.445



50, 5.414, 4.709



40, 75.353, 30.206



10, 32.033, 19.141

Inverse Universe

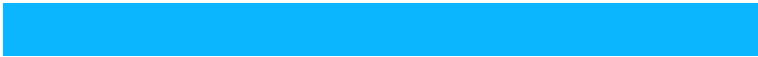
The Inverse Universe completely reimagines the original color for something new.



54, 91.513, 28.771



53, 94.432, 31.214



70, 48.181, 254.838



50, 5.414, 4.709



40, 75.353, 30.206



10, 32.033, 19.141

Previews

White Background



This preview shows how the CIELCh color 54, 91.777, 28.830 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, 91.777, 28.830 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, 91.777, 28.830

Background



This preview shows how black text looks on a background with the CIELCh color 54, 91.777, 28.830.



This preview shows how white text looks on a background with the CIELCh color 54, 91.777, 28.830.

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, 91.393, 28.625

Protanopia

54, 23.320, 95.235

Deuteranopia

54, 48.014, 81.625



Tritanopia
54, 100.087, 39.084

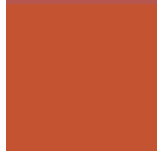
Trichromacy



Original Color
54, 91.393, 28.625



Protanomaly
48, 44.692, 31.255



Deuteranomaly
50, 59.940, 43.857



Tritanomaly
54, 97.241, 36.163

Monochromacy



Original Color
54, 91.393, 28.625



Achromatopsia
38, 0.005, 296.813



Achromatomaly
39, 39.505, 12.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 91.777, 28.830 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 12, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 91.777, 28.830 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, 59) }
```

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

```
.border{ border-color:rgb(255, 12, 59) }
```

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, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 91.777, 28.830 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, 59) }
```

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

```
.background{ background-color: rgb(255, 12,  
59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor