

Converting Colors

CIELCh(54, 90.899, 26.728)

Have a look what the booklet for
CIELCh(54, 90.899, 26.728) contains.

CIELCh(54, 90.359, 26.460)	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, 90.359, 26.460)

Conversions

Conversions Part 1

Format	Color
Hex	FF0842
RGB	255, 8, 66
RGB Percent	100%, 3%, 26%
CMY	0.0000, 0.9681, 0.7430
CMYK	0.00, 0.97, 0.74, 0.00
HSL	346°, 100%, 52%
HSV	346°, 97%, 100%
XYZ	42.5915, 21.9746, 7.0810
YIQ	88.4650, 128.5940, 70.4020

Conversions

Conversions Part 2

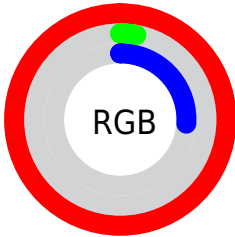
Format	Color
RYB	255, 8, 66
Decimal	16713794
CIELab	54.00, 80.89, 40.26
CIElCh	54, 90.359, 26.460
Yxy	21.9746, 0.5945, 0.3067
Android (android.graphics.Color)	4294903874 (0xFFFF0842)
YUV	88.4650, -11.0752, 146.0512
Hunter-Lab	46.8770, 80.1468, 23.8579

Details

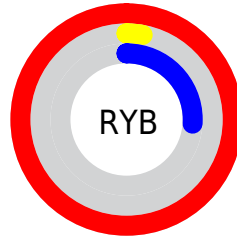
The CIELCh color **54, 90.359, 26.460** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 64.401, 167.884**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 64.733, 21.166**, and **39, 77.924, 34.443** is the 20% darker color. If you saturate the color by 10%, you get **54, 91.896, 28.120**, and if you desaturate by 10%, it is **55, 84.196, 20.947**.

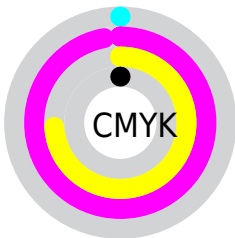
Distribution



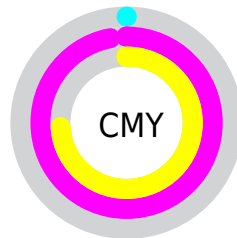
- Red (100%)
- Green (3%)
- Blue (26%)



- Red (100%)
- Yellow (3%)
- Blue (26%)



- Cyan (0%)
- Magenta (97%)
- Yellow (74%)
- Black (0%)



- Cyan (0%)
- Magenta (97%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 90.359, 26.460 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, 90.359, 26.460 by changing the saturation by 10% instead.

 54, 90.359, 26.460

 54, 90.359, 26.460

 100, 90.359,
26.460

 44, 90.359, 26.460

 74, 90.359, 26.460

 34, 90.359, 26.460

 84, 90.359, 26.460

 24, 90.359, 26.460

 94, 90.359, 26.460

 14, 90.359, 26.460

 4, 90.359, 26.460

 0, 90.359, 26.460

 54, 90.359, 26.460

 54, 90.359, 26.460

 54, 91.896, 28.120

 55, 84.196, 20.947

 57, 77.064, 16.275

61, 68.545, 12.496

65, 58.852, 9.513

70, 48.410, 7.159

76, 37.660, 5.281

82, 26.957, 3.751

89, 16.539, 2.474

95, 6.541, 1.350

Harmonies

Complementary

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



54, 90.359, 26.460



90, 64.401, 167.884

Rectangle

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



54, 90.359, 26.460



54, 90.359, 76.460



54, 90.359, 206.460



54, 90.359, 256.460

Sweetspot

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



54, 90.087, 26.387



81, 29.282, 4.061



51, 117.634, 319.584



40, 20.245, 4.704



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, 90.087, 26.387



54, 91.896, 28.120



58, 94.641, 45.633



50, 5.496, 1.648



40, 73.397, 27.057



10, 31.796, 17.001

Inverse Universe

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



54, 90.087, 26.387



54, 91.896, 28.120



72, 46.353, 249.155



50, 5.496, 1.648



40, 73.397, 27.057



10, 31.796, 17.001

Previews

White Background



This preview shows how the CIELCh color 54, 90.359, 26.460 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, 90.359, 26.460 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, 90.359, 26.460

Background



This preview shows how black text looks on a background with the CIELCh color 54, 90.359, 26.460.



This preview shows how white text looks on a background with the CIELCh color 54, 90.359, 26.460.

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, 89.994, 26.232

Protanopia

54, 18.258, 94.178

Deuteranopia

54, 43.882, 80.756



Tritanopia
54, 99.529, 38.926

Trichromacy



Original Color
54, 89.994, 26.232



Protanomaly
48, 43.028, 24.935



Deuteranomaly
49, 57.427, 39.705



Tritanomaly
54, 96.252, 35.278

Monochromacy



Original Color
54, 89.994, 26.232



Achromatopsia
37, 0.005, 296.813



Achromatomaly
38, 40.389, 9.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 90.359, 26.460 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, 8, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 66)  
}
```

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, 8, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 90.359, 26.460 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, 8, 66) }
```

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

```
.border{ border-color:rgb(255, 8, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 8, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 8, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 90.359, 26.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 66) }
```

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

```
.background{ background-color: rgb(255, 8,  
66) }
```

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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