

Converting Colors

CIELCh(54, 59.721, 101.803)

Have a look what the booklet for
CIELCh(54, 59.721, 101.803)
contains.

CIELCh(54, 59.769, 101.942)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(54, 59.769, 101.942)

Conversions

Conversions Part 1

Format	Color
Hex	878500
RGB	135, 133, 0
RGB Percent	53%, 52%, 0%
CMY	0.4700, 0.4779, 0.9990
CMYK	0.00, 0.01, 1.00, 0.47
HSL	59°, 100%, 27%
HSV	59°, 100%, 53%
XYZ	18.4217, 21.9746, 3.2775
YIQ	118.4360, 43.8850, -40.9390

Conversions

Conversions Part 2

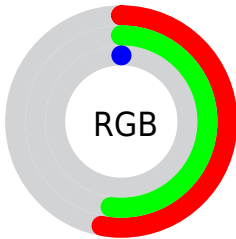
Format	Color
R_{YB}	2, 135, 0
Decimal	8881408
CIE Lab	54.00, -12.37, 58.48
CIE LCh	54, 59.769, 101.942
Yxy	21.9746, 0.4218, 0.5032
Android (android.graphics.Color)	4287071488 (0xFF878500)
YUV	118.4360, -58.3889, 14.5266
Hunter-Lab	46.8770, -11.8881, 28.6686

Details

The CIELCh color **54, 59.769, 101.942** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **14, 82.590, 306.003**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 59.641, 101.883**, and **34, 43.252, 104.889** is the 20% darker color. If you saturate the color by 10%, you get **54, 59.812, 101.938**, and if you desaturate by 10%, it is **54, 57.447, 102.280**.

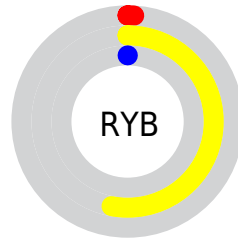
Distribution



Red (53%)

Green (52%)

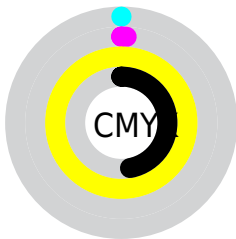
Blue (0%)



Red (1%)

Yellow (53%)

Blue (0%)

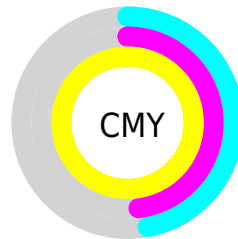


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (47%)



Cyan (47%)


Magenta (48%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 59.769, 101.942 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, 59.769, 101.942 by changing the saturation by 10% instead.


 54, 59.769,
101.942

 54, 59.769,
101.942


 100, 59.769,
101.942

 44, 59.769,
101.942


 74, 59.769,
101.942

 34, 59.769,
101.942

 84, 59.769,
101.942

 24, 59.769,
101.942

 94, 59.769,
101.942

 14, 59.769,
101.942

 4, 59.769, 101.942

 0, 59.769, 101.942

■ 54, 59.769,
101.942

■ 54, 59.769,
101.942

■ 54, 59.812,
101.938

■ 54, 57.447,
102.280

■ 54, 54.008,
102.739

■ 54, 49.191,
103.356

■ 55, 43.336,
104.099

■ 55, 36.773,
104.934

■ 55, 29.754,
105.830

■ 55, 22.456,
106.762

■ 56, 14.994,

107.710

■ 56, 7.444, 108.656

Harmonies

Complementary

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



54, 59.769, 101.942



14, 82.590, 306.003

Rectangle

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



54, 59.769, 101.942



54, 59.769, 151.942



54, 59.769, 281.942



54, 59.769, 331.942

Sweetspot

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



54, 59.769, 101.944



70, 28.014, 106.682



27, 63.511, 38.102



37, 19.214, 106.338



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54, 59.769, 101.944



69, 72.561, 101.917



50, 67.362, 127.045



28, 4.211, 108.722



52, 58.175, 101.941



1, 1.013, 109.581

Inverse Universe

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



14, 82.590, 306.003



21, 100.604, 306.097



20, 77.824, 311.817



25, 4.297, 290.500



14, 80.394, 306.014



0, 1.013, 289.583

Previews

White Background



This preview shows how the CIELCh color 54, 59.769, 101.942 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 CIE LCh color 54, 59.769, 101.942 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, 59.769, 101.942

Background



This preview shows how black text looks on a background with the CIELCh color 54, 59.769, 101.942.



This preview shows how white text looks on a background with the CIELCh color 54, 59.769, 101.942.

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, 59.769, 101.942

Protanopia

54, 59.321, 95.422

Deuteranopia

54, 56.016, 82.661



Tritanopia
54, 9.527, 347.607

Trichromacy



Original Color
54, 59.769, 101.942

Protanomaly
54, 59.354, 97.770

Deuteranomaly
54, 56.731, 89.886

Tritanomaly
53, 24.808, 92.481

Monochromacy



Original Color
54, 59.769, 101.942

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 27.366, 105.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 59.769, 101.942 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(135, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 0)  
}
```

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(135, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 59.769, 101.942 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(135, 133, 0) }
```

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

```
.border{ border-color:rgb(135, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(135, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 59.769, 101.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 0) }
```

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

```
.background{ background-color: rgb(135,  
133, 0) }
```

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