

Converting Colors

CIELCh(54, 46.867, 109.503)

Have a look what the booklet for
CIELCh(54, 46.867, 109.503)
contains.

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Color

CIELCh(54, 46.861, 109.525)

Conversions

Conversions Part 1

Format	Color
Hex	7E8730
RGB	126, 135, 48
RGB Percent	49%, 53%, 19%
CMY	0.5059, 0.4706, 0.8118
CMYK	0.07, 0.00, 0.64, 0.47
HSL	66°, 48%, 36%
HSV	66°, 64%, 53%
XYZ	17.7996, 21.9746, 6.0989
YIQ	122.3910, 22.5630, -28.9650

Conversions

Conversions Part 2

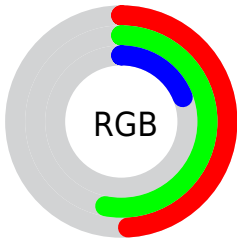
Format	Color
RYB	48, 135, 57
Decimal	8292144
CIELab	54.00, -15.66, 44.17
CIELCh	54, 46.861, 109.525
Yxy	21.9746, 0.3880, 0.4790
Android (android.graphics.Color)	4286482224 (0xFF7E8730)
YUV	122.3910, -36.6748, 3.1651
Hunter-Lab	46.8770, -14.2568, 25.1000

Details

The CIELCh color **54, 46.861, 109.525** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **26, 56.168, 302.149**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 47.010, 109.283**, and **34, 44.000, 110.118** is the 20% darker color. If you saturate the color by 10%, you get **54, 52.361, 109.098**, and if you desaturate by 10%, it is **54, 40.507, 110.113**.

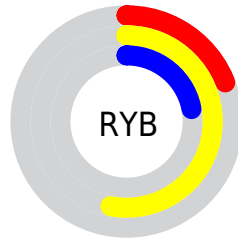
Distribution



Red (49%)

Green (53%)

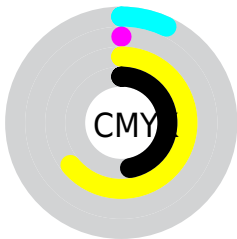
Blue (19%)



Red (19%)

Yellow (53%)

Blue (22%)

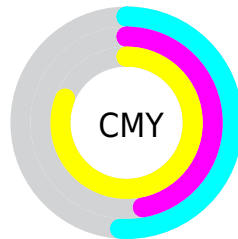


Cyan (7%)

Magenta (0%)

Yellow (64%)

Black (47%)



Cyan (51%)


Magenta (47%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 46.861, 109.525 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, 46.861, 109.525 by changing the saturation by 10% instead.


 54, 46.861,
109.525

 54, 46.861,
109.525


 100, 46.861,
109.525

 44, 46.861,
109.525


 74, 46.861,
109.525

 34, 46.861,
109.525

 84, 46.861,
109.525

 24, 46.861,
109.525

 94, 46.861,
109.525

 14, 46.861,
109.525

 4, 46.861, 109.525

 0, 46.861, 109.525

■ 54, 46.861,
109.525

■ 54, 46.861,
109.525

■ 54, 52.361,
109.098

■ 54, 40.507,
110.113

■ 54, 56.666,
108.886

■ 55, 33.581,
110.801

■ 53, 59.515,
108.943

■ 55, 26.292,
111.551

■ 53, 60.852,
109.013

■ 55, 18.780,
112.331

■ 56, 11.139,
113.119

■ 56, 3.431, 113.897

■ 57, 4.303, 294.670

■ 57, 12.033,
295.404

■ 58, 19.740,
296.108

Harmonies

Complementary

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



54, 46.861, 109.525



26, 56.168, 302.149

Rectangle

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



54, 46.861, 109.525



54, 46.861, 159.525



54, 46.861, 289.525



54, 46.861, 339.525

Sweetspot

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



54, 46.862, 109.527



71, 18.161, 112.727



35, 39.555, 33.754



37, 12.585, 112.528



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, 46.862, 109.527



69, 66.024, 108.977



51, 52.244, 129.699



28, 4.289, 113.537



52, 59.228, 108.992



1, 1.032, 114.243

Inverse Universe

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



26, 56.168, 302.149



28, 83.777, 304.401



31, 55.873, 315.117



25, 4.378, 294.994



14, 80.578, 306.764



0, 1.032, 294.243

Previews

White Background



This preview shows how the CIELCh color 54, 46.861, 109.525 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, 46.861, 109.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

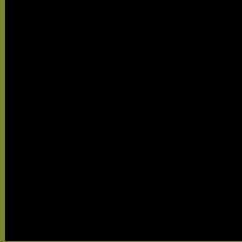
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 46.861, 109.525

Background



This preview shows how black text looks on a background with the CIELCh color 54, 46.861, 109.525.



This preview shows how white text looks on a background with the CIELCh color 54, 46.861, 109.525.

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

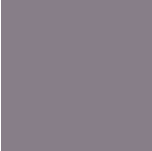
54, 46.861, 109.525

Protanopia

54, 45.591, 95.567

Deuteranopia

54, 43.662, 81.309



Tritanopia
54, 6.798, 322.032

Trichromacy



Original Color
54, 46.861, 109.525

Protanomaly
54, 45.478, 100.959

Deuteranomaly
54, 43.084, 91.546

Tritanomaly
54, 14.373, 103.284

Monochromacy



Original Color
54, 46.861, 109.525

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 18.434, 113.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 46.861, 109.525 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(126, 135, 48)` looks like.

```
.text, #text, p{  
    color:rgb(126, 135, 48)  
}
```

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(126, 135, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 135, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 46.861, 109.525 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(126, 135, 48) }
```

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

```
.border{ border-color:rgb(126, 135, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 135, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 135, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 135, 48);  
box-shadow:4px 4px 4px 4px rgb(126, 135,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 46.861, 109.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 135, 48) }
```

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

```
.background{ background-color: rgb(126,  
135, 48) }
```

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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