

Converting Colors

CIELCh(49, 54.179, 122.603)

Have a look what the booklet for
CIELCh(49, 54.179, 122.603)
contains.

CIELCh(49, 54.222, 122.530)	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(49, 54.222, 122.530)

Conversions

Conversions Part 1

Format	Color
Hex	59801E
RGB	89, 128, 30
RGB Percent	35%, 50%, 12%
CMY	0.6518, 0.4988, 0.8832
CMYK	0.31, 0.00, 0.77, 0.50
HSL	84°, 62%, 31%
HSV	84°, 77%, 50%
XYZ	12.0262, 17.5941, 3.9762
YIQ	105.1670, 8.2140, -38.7460

Conversions

Conversions Part 2

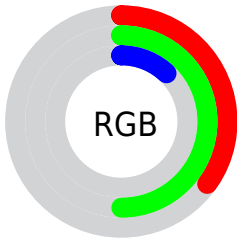
Format	Color
RYB	30, 128, 69
Decimal	5865502
CIELab	49.00, -29.16, 45.72
CIElCh	49, 54.222, 122.530
Yxy	17.5941, 0.3580, 0.5237
Android (android.graphics.Color)	4284055582 (0xFF59801E)
YUV	105.1670, -37.0573, -14.1785
Hunter-Lab	41.9453, -22.2263, 23.7413

Details

The CIELCh color **49, 54.222, 122.530** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **23, 62.865, 309.919**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 54.112, 122.643**, and **29, 45.760, 126.935** is the 20% darker color. If you saturate the color by 10%, you get **49, 58.676, 122.859**, and if you desaturate by 10%, it is **49, 48.634, 122.544**.

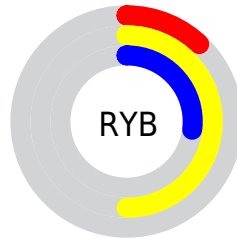
Distribution



Red (35%)

Green (50%)

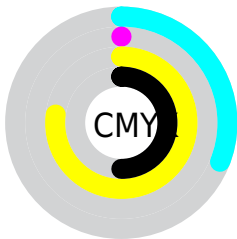
Blue (12%)



Red (12%)

Yellow (50%)

Blue (27%)

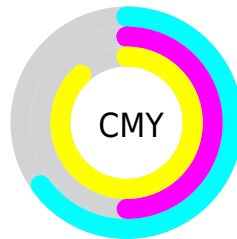


Cyan (31%)

Magenta (0%)

Yellow (77%)

Black (50%)



Cyan (65%)


Magenta (50%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 54.222, 122.530 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 49, 54.222, 122.530 by changing the saturation by 10% instead.


 49, 54.222,
122.530


 49, 54.222,
122.530


 100, 54.222,
122.530

 39, 54.222,
122.530

 69, 54.222,
122.530

 29, 54.222,
122.530

 79, 54.222,
122.530

 19, 54.222,
122.530

 89, 54.222,
122.530

 9, 54.222, 122.530

 99, 54.222,
122.530

 0, 54.222, 122.530

 49, 54.222,

 49, 54.222,

122.530

122.530

■ 49, 58.676,
122.859

■ 49, 48.634,
122.544

■ 48, 61.916,
123.548

■ 50, 42.223,
122.788

■ 48, 62.951,
123.758

■ 50, 35.262,
123.173

■ 51, 27.951,
123.635

■ 52, 20.432,
124.130

■ 52, 12.802,
124.631

■ 53, 5.128, 125.125

■ 54, 2.542, 305.553

■ 55, 10.174,
306.006

Harmonies

Complementary

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



49, 54.222, 122.530



23, 62.865, 309.919

Rectangle

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



49, 54.222, 122.530



49, 54.222, 172.530



49, 54.222, 302.530



49, 54.222, 352.530

Sweetspot

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



49, 54.222, 122.531



66, 21.795, 124.289



35, 40.426, 55.524



34, 15.190, 124.133



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 54.222, 122.531



62, 73.858, 123.382



47, 61.912, 136.060



27, 4.313, 125.007



48, 62.840, 123.754



0, 0.000, 0.000

Inverse Universe

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



23, 62.865, 309.919



25, 88.372, 310.108



30, 61.737, 324.045



25, 4.380, 305.859



17, 75.976, 310.166



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 54.222, 122.530 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 54.222, 122.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

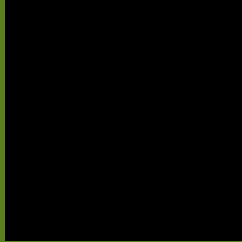
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 54.222, 122.530

Background



This preview shows how black text looks on a background with the CIELCh color 49, 54.222, 122.530.



This preview shows how white text looks on a background with the CIELCh color 49, 54.222, 122.530.

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](#).

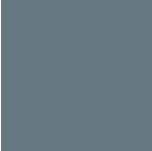
Dichromacy



Original Color
49, 54.222, 122.530

Protanopia
49, 47.782, 95.576

Deuteranopia
49, 44.095, 81.734



Tritanopia
49, 8.791, 241.000

Trichromacy



Original Color
49, 54.222, 122.530

Protanomaly
48, 48.528, 106.549

Deuteranomaly
48, 44.326, 98.553

Tritanomaly
49, 19.927, 139.403

Monochromacy



Original Color
49, 54.222, 122.530

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 21.408, 124.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 54.222, 122.530 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(89, 128, 30)` looks like.

```
.text, #text, p{  
    color:rgb(89, 128, 30)  
}
```

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(89, 128, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 128, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 54.222, 122.530 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(89, 128, 30) }
```

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

```
.border{ border-color:rgb(89, 128, 30) }
```

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

Here you see how a box with a 4 pixel rgb(89, 128, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 128, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 128, 30);  
box-shadow:4px 4px 4px 4px rgb(89, 128,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 54.222, 122.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 128, 30) }
```

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

```
.background{ background-color: rgb(89, 128,  
30) }
```

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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