

Converting Colors

CIELCh(49, 38.617, 118.830)

Have a look what the booklet for
CIELCh(49, 38.617, 118.830)
contains.

CIELCh(49, 38.584, 118.849)	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, 38.584, 118.849)

Conversions

Conversions Part 1

Format	Color
Hex	687C39
RGB	104, 124, 57
RGB Percent	41%, 49%, 22%
CMY	0.5929, 0.5144, 0.7771
CMYK	0.16, 0.00, 0.54, 0.51
HSL	78°, 37%, 35%
HSV	78°, 54%, 49%
XYZ	13.6057, 17.5941, 6.5270
YIQ	110.3820, 9.5870, -25.0770

Conversions

Conversions Part 2

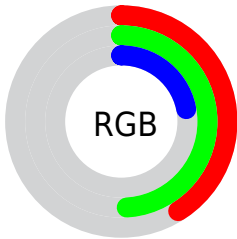
Format	Color
RYB	57, 124, 77
Decimal	6847545
CIELab	49.00, -18.62, 33.80
CIElCh	49, 38.584, 118.849
Yxy	17.5941, 0.3606, 0.4664
Android (android.graphics.Color)	4285037625 (0xFF687C39)
YUV	110.3820, -26.3173, -5.5970
Hunter-Lab	41.9453, -15.5047, 20.1357

Details

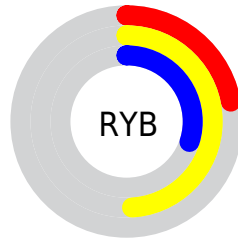
The CIELCh color $49, 38.584, 118.849$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $29, 43.325, 305.729$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 38.813, 118.759$, and $29, 38.555, 118.456$ is the 20% darker color. If you saturate the color by 10%, you get $49, 44.810, 118.504$, and if you desaturate by 10%, it is $49, 31.874, 119.317$.

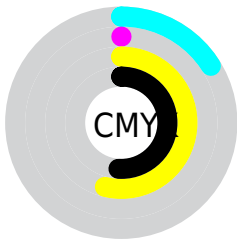
Distribution



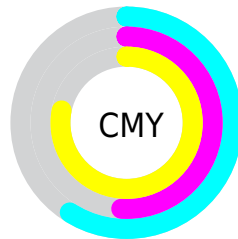
- Red (41%)
- Green (49%)
- Blue (22%)



- Red (22%)
- Yellow (49%)
- Blue (30%)



- Cyan (16%)
- Magenta (0%)
- Yellow (54%)
- Black (51%)



- Cyan (59%)
- Magenta (51%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 38.584, 118.849 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, 38.584, 118.849 by changing the saturation by 10% instead.


 49, 38.584,
118.849

 49, 38.584,
118.849

 100, 38.584,
118.849

 39, 38.584,
118.849

 69, 38.584,
118.849

 29, 38.584,
118.849

 79, 38.584,
118.849

 19, 38.584,
118.849

 89, 38.584,
118.849

 9, 38.584, 118.849

 99, 38.584,
118.849

 0, 38.584, 118.849

 49, 38.584,

 49, 38.584,

118.849

■ 49, 44.810,
118.504

■ 48, 50.305,
118.353

■ 48, 54.768,
118.491

■ 48, 57.964,
119.000

■ 47, 59.660,
119.321

118.849

■ 49, 31.874,
119.317

■ 50, 24.857,
119.850

■ 50, 17.656,
120.411

■ 51, 10.354,
120.978

■ 52, 3.010, 121.539

■ 52, 4.338, 302.051

■ 53, 11.659,
302.560

■ 54, 18.933,
303.035

■ 55, 26.144,
303.477

Harmonies

Complementary

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



49, 38.584, 118.849



29, 43.325, 305.729

Rectangle

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



49, 38.584, 118.849



49, 38.584, 168.849



49, 38.584, 298.849



49, 38.584, 348.849

Sweetspot

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



49, 38.585, 118.851



65, 14.532, 120.849



37, 26.843, 47.438



34, 9.885, 120.755



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 38.585, 118.851



62, 55.879, 118.445



47, 43.988, 135.349



25, 4.097, 121.261



48, 60.057, 119.335



91, 101.572, 120.089

Inverse Universe

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



29, 43.325, 305.729



33, 64.968, 306.833



33, 44.978, 320.466



23, 4.169, 302.258



15, 76.269, 308.617



35, 129.195, 308.138

Previews

White Background



This preview shows how the CIELCh color 49, 38.584, 118.849 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, 38.584, 118.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

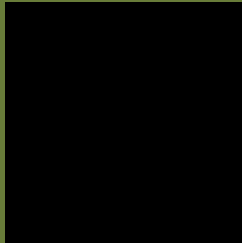
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 38.584, 118.849

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.584, 118.849.



This preview shows how white text looks on a background with the CIELCh color 49, 38.584, 118.849.

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, 38.584, 118.849

Protanopia

49, 35.712, 95.456

Deuteranopia

49, 33.514, 79.068



Tritanopia
49, 6.049, 276.137

Trichromacy



Original Color
49, 38.584, 118.849

Protanomaly
49, 36.037, 104.591

Deuteranomaly
49, 33.133, 95.107

Tritanomaly
49, 11.343, 130.365

Monochromacy



Original Color
49, 38.584, 118.849

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 14.386, 120.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.584, 118.849 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(104, 124, 57)` looks like.

```
.text, #text, p{  
    color:rgb(104, 124, 57)  
}
```

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(104, 124, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 124, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.584, 118.849 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(104, 124, 57) }
```

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

```
.border{ border-color:rgb(104, 124, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 124, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 124, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 124, 57);  
box-shadow:4px 4px 4px 4px rgb(104, 124,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.584, 118.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 124, 57) }
```

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

```
.background{ background-color: rgb(104,  
124, 57) }
```

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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