

Converting Colors

CIELCh(46, 63.615, 177.480)

Have a look what the booklet for
CIELCh(46, 63.615, 177.480)
contains.

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Color

CIELCh(49, 38.805, 169.484)

Conversions

Conversions Part 1

Format	Color
Hex	018467
RGB	1, 132, 103
RGB Percent	0%, 52%, 40%
CMY	0.9959, 0.4809, 0.5947
CMYK	0.99, 0.00, 0.22, 0.48
HSL	167°, 98%, 26%
HSV	167°, 99%, 52%
XYZ	10.7790, 17.5941, 15.7497
YIQ	89.5250, -68.7670, -36.7910

Conversions

Conversions Part 2

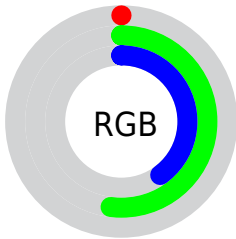
Format	Color
RYB	1, 75, 132
Decimal	99431
CIELab	49.00, -38.15, 7.08
CIELCh	49, 38.805, 169.484
Yxy	17.5941, 0.2443, 0.3988
Android (android.graphics.Color)	4278289511 (0xFF018467)
YUV	89.5250, 6.6432, -77.6364
Hunter-Lab	41.9453, -27.5338, 7.0994

Details

The CIELCh color **49, 38.805, 169.484** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27, 55.277, 25.775**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 38.787, 169.374**, and **30, 30.072, 163.230** is the 20% darker color. If you saturate the color by 10%, you get **49, 38.950, 169.352**, and if you desaturate by 10%, it is **49, 36.986, 171.208**.

Distribution



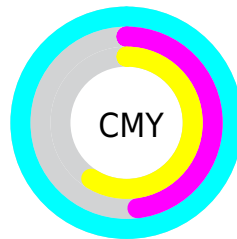
- Red (0%)
- Green (52%)
- Blue (40%)



- Red (0%)
- Yellow (29%)
- Blue (52%)



- Cyan (99%)
- Magenta (0%)
- Yellow (22%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 38.805, 169.484 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, 38.805, 169.484 by changing the saturation by 10% instead.

 49, 38.805,
169.484

 49, 38.805,
169.484

 100, 38.805,
169.484

 39, 38.805,
169.484

 69, 38.805,
169.484

 29, 38.805,
169.484

 79, 38.805,
169.484

 19, 38.805,
169.484

 89, 38.805,
169.484

 9, 38.805, 169.484

 99, 38.805,
169.484

 0, 38.805, 169.484

 49, 38.805,

 49, 38.805,

169.484

169.484

■ 49, 38.950,
169.352

■ 49, 36.986,
171.208

■ 49, 34.753,
172.841

■ 50, 31.937,
174.314

■ 50, 28.542,
175.647

■ 51, 24.610,
176.860

■ 52, 20.209,
177.975

■ 52, 15.419,
179.011

■ 53, 10.327,
179.987

Harmonies

Complementary

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



49, 38.805, 169.484



27, 55.277, 25.775

Rectangle

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



49, 38.805, 169.484



49, 38.805, 219.484



49, 38.805, 349.484



49, 38.805, 39.484

Sweetspot

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



49, 38.805, 169.483



66, 19.451, 178.864



48, 71.336, 133.922



34, 13.264, 178.494



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 38.805, 169.483



62, 47.232, 168.891



38, 28.314, 247.865



27, 3.077, 180.942



48, 38.438, 169.387



1, 0.745, 181.672

Inverse Universe

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



27, 55.277, 25.775



36, 67.723, 27.479



30, 57.640, 46.377



26, 3.180, 2.417



26, 54.866, 26.015



0, 0.746, 1.657

Previews

White Background



This preview shows how the CIELCh color 49, 38.805, 169.484 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, 38.805, 169.484 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, 38.805, 169.484

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.805, 169.484.



This preview shows how white text looks on a background with the CIELCh color 49, 38.805, 169.484.

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, 38.748, 169.449

Protanopia

49, 12.633, 94.604

Deuteranopia

49, 7.958, 37.230



Tritanopia
49, 25.424, 210.515

Trichromacy



Original Color
49, 38.748, 169.449

Protanomaly
48, 22.206, 157.558

Deuteranomaly
47, 16.091, 169.041

Tritanomaly
49, 29.460, 190.654

Monochromacy



Original Color
49, 38.748, 169.449

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 18.727, 178.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.805, 169.484 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(1, 132, 103)` looks like.

```
.text, #text, p{  
    color:rgb(1, 132, 103)  
}
```

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(1, 132, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 132, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.805, 169.484 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(1, 132, 103) }
```

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

```
.border{ border-color:rgb(1, 132, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 132, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 132, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 132, 103);  
box-shadow:4px 4px 4px 4px rgb(1, 132,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.805, 169.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 132, 103) }
```

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

```
.background{ background-color: rgb(1, 132,  
103) }
```

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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