

Converting Colors

CIELCh(49, 38.205, 170.956)

Have a look what the booklet for
CIELCh(49, 38.205, 170.956)
contains.

CIELCh(49, 38.081, 170.953)	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, 38.081, 170.953)

Conversions

Conversions Part 1

Format	Color
Hex	018469
RGB	1, 132, 105
RGB Percent	0%, 52%, 41%
CMY	0.9973, 0.4814, 0.5874
CMYK	0.99, 0.00, 0.20, 0.48
HSL	168°, 99%, 26%
HSV	168°, 99%, 52%
XYZ	10.8521, 17.5941, 16.2473
YIQ	89.7530, -69.4090, -36.1690

Conversions

Conversions Part 2

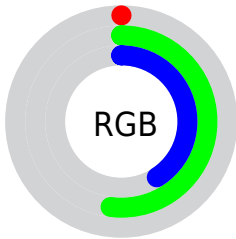
Format	Color
RYB	1, 74, 132
Decimal	99433
CIELab	49.00, -37.61, 5.99
CIELCh	49, 38.081, 170.953
Yxy	17.5941, 0.2428, 0.3937
Android (android.graphics.Color)	4278289513 (0xFF018469)
YUV	89.7530, 7.5168, -77.8364
Hunter-Lab	41.9453, -27.2227, 6.3960

Details

The CIELCh color **49, 38.081, 170.953** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27, 55.866, 27.133**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 38.142, 170.757**, and **30, 29.217, 165.156** is the 20% darker color. If you saturate the color by 10%, you get **49, 38.170, 170.869**, and if you desaturate by 10%, it is **49, 36.365, 172.616**.

Distribution



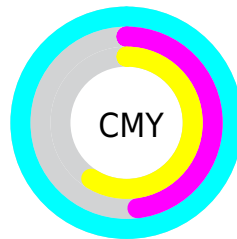
- Red (0%)
- Green (52%)
- Blue (41%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (20%)
- Black (48%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 38.081, 170.953 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, 38.081, 170.953 by changing the saturation by 10% instead.


 49, 38.081,
170.953


 49, 38.081,
170.953


 100, 38.081,
170.953


 39, 38.081,
170.953

 69, 38.081,
170.953


 29, 38.081,
170.953

 79, 38.081,
170.953

 19, 38.081,
170.953

 89, 38.081,
170.953

 9, 38.081, 170.953

 99, 38.081,
170.953

 0, 38.081, 170.953

 49, 38.081,

 49, 38.081,

170.953

170.953

■ 49, 38.170,
170.869

■ 49, 36.365,
172.616

■ 49, 34.244,
174.197

■ 50, 31.539,
175.625

■ 50, 28.251,
176.918

■ 51, 24.419,
178.099

■ 51, 20.108,
179.188

■ 52, 15.398,
180.204

■ 53, 10.375,
181.164

Harmonies

Complementary

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



49, 38.081, 170.953



27, 55.866, 27.133

Rectangle

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



49, 38.081, 170.953



49, 38.081, 220.953



49, 38.081, 350.953



49, 38.081, 40.953

Sweetspot

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



49, 38.081, 170.952



66, 19.266, 180.087



48, 71.594, 134.162



34, 13.133, 179.725



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, 38.081, 170.952



62, 46.300, 170.423



38, 28.924, 251.218



27, 3.055, 182.134



48, 37.698, 170.902



1, 0.741, 182.854

Inverse Universe

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



27, 55.866, 27.133



36, 68.398, 28.700



30, 57.307, 47.217



26, 3.161, 3.592



26, 55.379, 27.255



0, 0.741, 2.839

Previews

White Background



This preview shows how the CIELCh color 49, 38.081, 170.953 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, 38.081, 170.953 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, 38.081, 170.953

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.081, 170.953.



This preview shows how white text looks on a background with the CIELCh color 49, 38.081, 170.953.

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, 38.025, 170.921

Protanopia

49, 11.394, 95.555

Deuteranopia

49, 7.641, 28.995



Tritanopia
49, 25.574, 210.422

Trichromacy



Original Color
49, 38.025, 170.921

Protanomaly
48, 21.673, 160.359

Deuteranomaly
47, 15.457, 172.745

Tritanomaly
49, 29.263, 191.806

Monochromacy



Original Color
49, 38.025, 170.921

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 18.454, 179.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.081, 170.953 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(1, 132, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 132, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.081, 170.953 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, 105) }
```

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

```
.border{ border-color:rgb(1, 132, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 132, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 132, 105);  
box-shadow:4px 4px 4px 4px rgb(1, 132,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.081, 170.953 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, 105) }
```

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

```
.background{ background-color: rgb(1, 132,  
105) }
```

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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