

Converting Colors

CIELCh(49, 41.315, 164.947)

Have a look what the booklet for
CIELCh(49, 41.315, 164.947)
contains.

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Color

CIELCh(49, 41.476, 164.816)

Conversions

Conversions Part 1

Format	Color
Hex	018561
RGB	1, 133, 97
RGB Percent	0%, 52%, 38%
CMY	0.9942, 0.4791, 0.6203
CMYK	0.99, 0.00, 0.27, 0.48
HSL	164°, 98%, 26%
HSV	164°, 99%, 52%
XYZ	10.5304, 17.5941, 14.1086
YIQ	89.4280, -67.1160, -39.1800

Conversions

Conversions Part 2

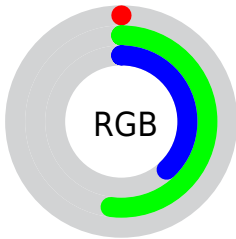
Format	Color
RYB	1, 77, 133
Decimal	99681
CIELab	49.00, -40.03, 10.86
CIELCh	49, 41.476, 164.816
Yxy	17.5941, 0.2493, 0.4166
Android (android.graphics.Color)	4278289761 (0xFF018561)
YUV	89.4280, 3.7330, -77.5514
Hunter-Lab	41.9453, -28.5916, 9.4191

Details

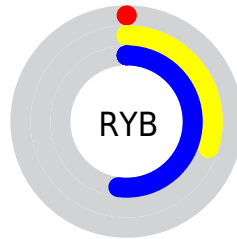
The CIELCh color **49, 41.476, 164.816** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27, 53.786, 21.201**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 41.358, 165.058**, and **30, 32.858, 158.298** is the 20% darker color. If you saturate the color by 10%, you get **49, 41.716, 164.616**, and if you desaturate by 10%, it is **49, 39.310, 166.696**.

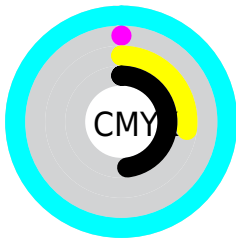
Distribution



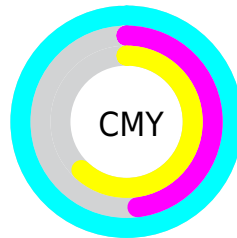
- Red (0%)
- Green (52%)
- Blue (38%)



- Red (0%)
- Yellow (30%)
- Blue (52%)



- Cyan (99%)
- Magenta (0%)
- Yellow (27%)
- Black (48%)





- Cyan (99%)
- Magenta (48%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 41.476, 164.816 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, 41.476, 164.816 by changing the saturation by 10% instead.


 49, 41.476,
164.816


 49, 41.476,
164.816


 100, 41.476,
164.816


 39, 41.476,
164.816

 69, 41.476,
164.816


 29, 41.476,
164.816

 79, 41.476,
164.816

 19, 41.476,
164.816

 89, 41.476,
164.816

 9, 41.476, 164.816

 99, 41.476,
164.816

 0, 41.476, 164.816

 49, 41.476,

 49, 41.476,

164.816

164.816

■ 49, 41.716,
164.616

■ 49, 39.310,
166.696

■ 49, 36.721,
168.474

■ 50, 33.557,
170.074

■ 50, 29.827,
171.514

■ 51, 25.580,
172.814

■ 52, 20.887,
173.998

■ 52, 15.834,
175.086

■ 53, 10.508,
176.100

Harmonies

Complementary

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



49, 41.476, 164.816



27, 53.786, 21.201

Rectangle

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



49, 41.476, 164.816



49, 41.476, 214.816



49, 41.476, 344.816



49, 41.476, 34.816

Sweetspot

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



49, 41.476, 164.815



67, 20.377, 174.897



48, 70.675, 133.088



34, 13.747, 174.512



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, 41.476, 164.815



63, 51.104, 164.095



41, 27.128, 237.544



27, 3.164, 177.050



48, 41.057, 164.663



1, 0.765, 177.798

Inverse Universe

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



27, 53.786, 21.201



36, 66.427, 23.129



29, 58.907, 44.115



26, 3.253, 358.556



26, 53.339, 21.569



0, 0.765, 357.784

Previews

White Background



This preview shows how the CIELCh color 49, 41.476, 164.816 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, 41.476, 164.816 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, 41.476, 164.816

Background



This preview shows how black text looks on a background with the CIELCh color 49, 41.476, 164.816.



This preview shows how white text looks on a background with the CIELCh color 49, 41.476, 164.816.

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, 41.531, 164.854

Protanopia

49, 16.135, 95.407

Deuteranopia

49, 10.460, 53.995



Tritanopia
49, 24.916, 212.286

Trichromacy



Original Color
49, 41.531, 164.854

Protanomaly
47, 24.782, 151.569

Deuteranomaly
47, 18.392, 157.563

Tritanomaly
49, 29.249, 189.434

Monochromacy



Original Color
49, 41.531, 164.854

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 19.910, 173.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 41.476, 164.816 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, 133, 97)` looks like.

```
.text, #text, p{  
    color:rgb(1, 133, 97)  
}
```

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, 133, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 133, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 41.476, 164.816 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, 133, 97) }
```

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

```
.border{ border-color:rgb(1, 133, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 133, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 133, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 133, 97);  
box-shadow:4px 4px 4px 4px rgb(1, 133, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 41.476, 164.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 133, 97) }
```

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

```
.background{ background-color: rgb(1, 133,  
97) }
```

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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