

Converting Colors

CIELCh(48, 35.093, 176.053)

Have a look what the booklet for
CIELCh(48, 35.093, 176.053)
contains.

CIELCh(48, 35.069, 176.091)	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(48, 35.069, 176.091)

Conversions

Conversions Part 1

Format	Color
Hex	03816D
RGB	3, 129, 109
RGB Percent	1%, 51%, 43%
CMY	0.9893, 0.4945, 0.5729
CMYK	0.98, 0.00, 0.16, 0.49
HSL	170°, 96%, 26%
HSV	170°, 98%, 51%
XYZ	10.6268, 16.7945, 17.1233
YIQ	89.0460, -68.6760, -32.9320

Conversions

Conversions Part 2

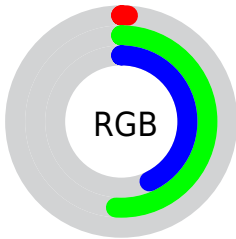
Format	Color
RYB	3, 71, 129
Decimal	229741
CIELab	48.00, -34.99, 2.39
CIELCh	48, 35.069, 176.091
Yxy	16.7945, 0.2386, 0.3770
Android (android.graphics.Color)	4278419821 (0xFF03816D)
YUV	89.0460, 9.8373, -75.4623
Hunter-Lab	40.9810, -25.4300, 3.9133

Details

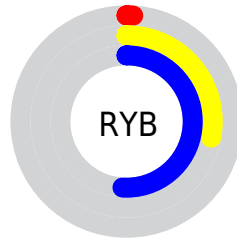
The CIELCh color **48, 35.069, 176.091** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **26, 55.650, 29.813**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 35.408, 175.528**, and **29, 26.471, 171.189** is the 20% darker color. If you saturate the color by 10%, you get **48, 35.370, 175.795**, and if you desaturate by 10%, it is **48, 33.620, 177.528**.

Distribution



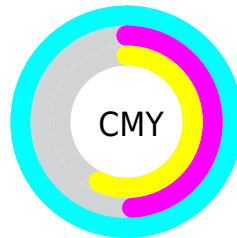
- Red (1%)
- Green (51%)
- Blue (43%)



- Red (1%)
- Yellow (28%)
- Blue (51%)



- Cyan (98%)
- Magenta (0%)
- Yellow (16%)
- Black (49%)





- Cyan (99%)
- Magenta (49%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 35.069, 176.091 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 48, 35.069, 176.091 by changing the saturation by 10% instead.


 48, 35.069,
176.091


 48, 35.069,
176.091


 100, 35.069,
176.091


 38, 35.069,
176.091

 68, 35.069,
176.091


 28, 35.069,
176.091

 78, 35.069,
176.091

 18, 35.069,
176.091

 88, 35.069,
176.091

 8, 35.069, 176.091

 98, 35.069,
176.091

 0, 35.069, 176.091

 48, 35.069,

 48, 35.069,

176.091

176.091

■ 48, 35.370,
175.795

■ 48, 33.620,
177.528

■ 48, 31.710,
178.871

■ 49, 29.216,
180.092

■ 49, 26.143,
181.211

■ 50, 22.530,
182.247

■ 50, 18.440,
183.217

■ 51, 13.950,
184.138

■ 52, 9.142, 185.025

Harmonies

Complementary

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



48, 35.069, 176.091



26, 55.650, 29.813

Rectangle

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



48, 35.069, 176.091



48, 35.069, 226.091



48, 35.069, 356.091



48, 35.069, 46.091

Sweetspot

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



48, 35.069, 176.090



65, 17.965, 183.975



47, 70.340, 134.810



33, 12.153, 183.647



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 35.069, 176.090



62, 43.167, 175.388



35, 30.248, 259.453



26, 2.898, 185.804



47, 35.085, 175.814



0, 0.000, 0.000

Inverse Universe

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



26, 55.650, 29.813



35, 69.709, 32.007



31, 53.901, 50.053



25, 3.013, 7.179



26, 56.167, 30.605



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 35.069, 176.091 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 48, 35.069, 176.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 35.069, 176.091

Background



This preview shows how black text looks on a background with the CIELCh color 48, 35.069, 176.091.

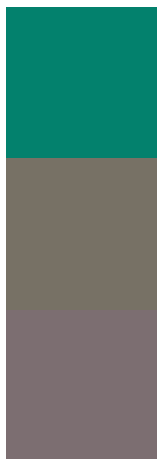


This preview shows how white text looks on a background with the CIELCh color 48, 35.069, 176.091.

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


48, 35.069, 176.091

Protanopia

48, 7.490, 89.300

Deuteranopia

48, 6.041, 3.140



Tritanopia
48, 25.550, 210.462

Trichromacy



Original Color
48, 35.069, 176.091

Protanomaly
47, 18.582, 168.744

Deuteranomaly
46, 14.315, 185.790

Tritanomaly
48, 28.039, 196.549

Monochromacy



Original Color
48, 35.069, 176.091

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 17.916, 181.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 35.069, 176.091 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(3, 129, 109)` looks like.

```
.text, #text, p{  
    color:rgb(3, 129, 109)  
}
```

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(3, 129, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 129, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 35.069, 176.091 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(3, 129, 109) }
```

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

```
.border{ border-color:rgb(3, 129, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 129, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 129, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 129, 109);  
box-shadow:4px 4px 4px 4px rgb(3, 129,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 35.069, 176.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 129, 109) }
```

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

```
.background{ background-color: rgb(3, 129,  
109) }
```

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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