

Converting Colors

CIELCh(49, 35.853, 176.261)

Have a look what the booklet for
CIELCh(49, 35.853, 176.261)
contains.

CIELCh(49, 36.023, 175.688)	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, 36.023, 175.688)

Conversions

Conversions Part 1

Format	Color
Hex	00846F
RGB	0, 132, 111
RGB Percent	0%, 52%, 44%
CMY	1.0000, 0.4831, 0.5654
CMYK	1.00, 0.00, 0.16, 0.48
HSL	170°, 100%, 26%
HSV	170°, 100%, 52%
XYZ	11.0800, 17.5941, 17.8013
YIQ	90.1380, -71.9310, -34.5150

Conversions

Conversions Part 2

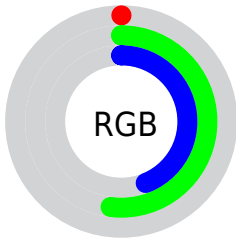
Format	Color
RYB	0, 72, 132
Decimal	33903
CIELab	49.00, -35.92, 2.71
CIELCh	49, 36.023, 175.688
Yxy	17.5941, 0.2384, 0.3786
Android (android.graphics.Color)	4278223983 (0xFF00846F)
YUV	90.1380, 10.2850, -79.0510
Hunter-Lab	41.9453, -26.2528, 4.1994

Details

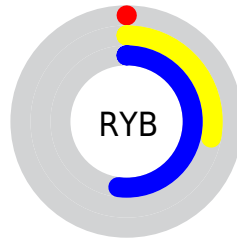
The CIELCh color **49, 36.023, 175.688** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **27, 57.608, 30.743**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 36.034, 175.954**, and **30, 27.173, 170.462** is the 20% darker color. If you saturate the color by 10%, you get **49, 35.994, 175.673**, and if you desaturate by 10%, it is **49, 34.564, 177.118**.

Distribution



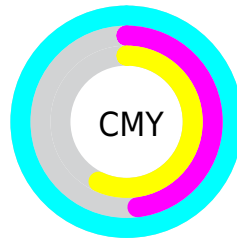
- Red (0%)
- Green (52%)
- Blue (44%)



- Red (0%)
- Yellow (28%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 36.023, 175.688 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, 36.023, 175.688 by changing the saturation by 10% instead.

 49, 36.023,
175.688

 49, 36.023,
175.688


 100, 36.023,
175.688

 39, 36.023,
175.688

 69, 36.023,
175.688


 29, 36.023,
175.688

 79, 36.023,
175.688

 19, 36.023,
175.688

 89, 36.023,
175.688

 9, 36.023, 175.688

 99, 36.023,
175.688

 0, 36.023, 175.688

 49, 36.023,

 49, 36.023,

175.688

175.688

■ 49, 35.994,
175.673

■ 49, 34.564,
177.118

■ 49, 32.749,
178.499

■ 50, 30.341,
179.752

■ 50, 27.338,
180.898

■ 51, 23.773,
181.955

■ 51, 19.706,
182.943

■ 52, 15.212,
183.877

■ 53, 10.376,
184.773

Harmonies

Complementary

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



49, 36.023, 175.688



27, 57.608, 30.743

Rectangle

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



49, 36.023, 175.688



49, 36.023, 225.688



49, 36.023, 355.688



49, 36.023, 45.688

Sweetspot

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



49, 35.994, 175.673



66, 18.770, 183.816



48, 72.173, 134.773



34, 12.780, 183.483



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, 35.994, 175.673



63, 43.700, 175.283



35, 31.237, 260.484



27, 2.995, 185.737



48, 35.635, 175.696



1, 0.728, 186.420

Inverse Universe

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



27, 57.608, 30.743



35, 70.497, 32.021



31, 56.107, 49.971



26, 3.114, 7.126



26, 57.007, 30.666



0, 0.728, 6.404

Previews

White Background



This preview shows how the CIELCh color 49, 36.023, 175.688 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, 36.023, 175.688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

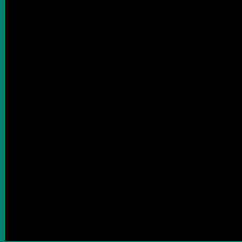
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 36.023, 175.688

Background



This preview shows how black text looks on a background with the CIELCh color 49, 36.023, 175.688.

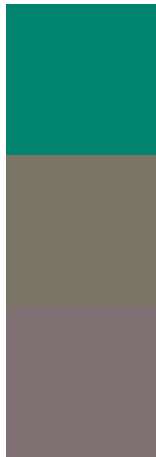


This preview shows how white text looks on a background with the CIELCh color 49, 36.023, 175.688.

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, 36.023, 175.688

Protanopia
49, 8.450, 94.524

Deuteranopia
49, 6.421, 4.272



Tritanopia
49, 26.003, 210.158

Trichromacy



Original Color
49, 36.023, 175.688

Protanomaly
48, 20.087, 167.243

Deuteranomaly
47, 14.815, 183.843

Tritanomaly
49, 28.758, 195.332

Monochromacy



Original Color
49, 36.023, 175.688

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 18.241, 183.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 36.023, 175.688 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(0, 132, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 111)  
}
```

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(0, 132, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 36.023, 175.688 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(0, 132, 111) }
```

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

```
.border{ border-color:rgb(0, 132, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 36.023, 175.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 111) }
```

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

```
.background{ background-color: rgb(0, 132,  
111) }
```

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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