

Converting Colors

CIELCh(47, 41.304, 181.077)

Have a look what the booklet for
CIELCh(47, 41.304, 181.077)
contains.

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Color

CIELCh(48, 34.296, 178.815)

Conversions

Conversions Part 1

Format	Color
Hex	008170
RGB	0, 129, 112
RGB Percent	0%, 51%, 44%
CMY	1.0000, 0.4951, 0.5617
CMYK	1.00, 0.00, 0.13, 0.50
HSL	172°, 100%, 25%
HSV	172°, 100%, 50%
XYZ	10.7195, 16.7945, 17.9360
YIQ	88.4910, -71.4270, -32.6350

Conversions

Conversions Part 2

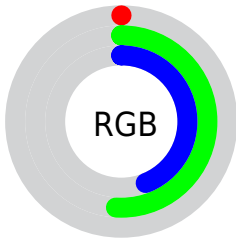
Format	Color
RYB	0, 69, 129
Decimal	33136
CIELab	48.00, -34.29, 0.71
CIELCh	48, 34.296, 178.815
Yxy	16.7945, 0.2359, 0.3695
Android (android.graphics.Color)	4278223216 (0xFF008170)
YUV	88.4910, 11.5899, -77.6066
Hunter-Lab	40.9810, -25.0261, 2.7376

Details

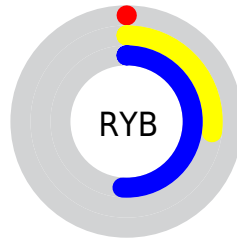
The CIELCh color **48, 34.296, 178.815** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **26, 57.570, 32.437**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 34.309, 178.813**, and **29, 25.708, 173.618** is the 20% darker color. If you saturate the color by 10%, you get **48, 34.254, 178.797**, and if you desaturate by 10%, it is **48, 32.985, 180.071**.

Distribution



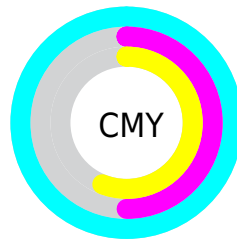
- Red (0%)
- Green (51%)
- Blue (44%)



- Red (0%)
- Yellow (27%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (50%)





- Cyan (100%)
- Magenta (50%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 34.296, 178.815 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, 34.296, 178.815 by changing the saturation by 10% instead.


 48, 34.296,
178.815


 48, 34.296,
178.815


 100, 34.296,
178.815


 38, 34.296,
178.815

 68, 34.296,
178.815


 28, 34.296,
178.815

 78, 34.296,
178.815

 18, 34.296,
178.815


 88, 34.296,
178.815

 8, 34.296, 178.815

 98, 34.296,
178.815

 0, 34.296, 178.815

 48, 34.296,

 48, 34.296,

178.815

178.815

■ 48, 34.254,
178.797

■ 48, 32.985,
180.071

■ 48, 31.341,
181.293

■ 49, 29.112,
182.409

■ 49, 26.293,
183.437

■ 50, 22.915,
184.397

■ 50, 19.033,
185.304

■ 51, 14.721,
186.173

■ 52, 10.059,
187.016

Harmonies

Complementary

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



48, 34.296, 178.815



26, 57.570, 32.437

Rectangle

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



48, 34.296, 178.815



48, 34.296, 228.815



48, 34.296, 358.815



48, 34.296, 48.815

Sweetspot

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



48, 34.254, 178.797



65, 18.288, 186.112



47, 71.252, 135.088



33, 12.293, 185.810



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, 34.254, 178.797



62, 41.805, 178.435



33, 32.535, 265.768



26, 2.870, 187.938



48, 34.009, 178.812



0, 0.000, 0.000

Inverse Universe

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



26, 57.570, 32.437



35, 70.934, 33.707



31, 54.165, 52.052



25, 2.992, 9.257



26, 57.134, 32.381



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 34.296, 178.815 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, 34.296, 178.815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

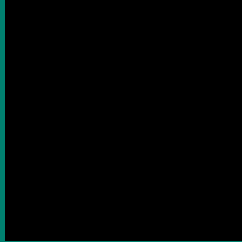
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 34.296, 178.815

Background



This preview shows how black text looks on a background with the CIELCh color 48, 34.296, 178.815.

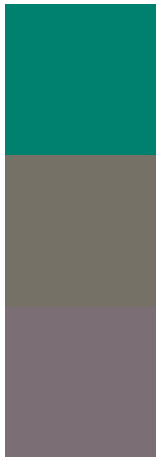


This preview shows how white text looks on a background with the CIELCh color 48, 34.296, 178.815.

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, 34.296, 178.815

Protanopia
48, 6.235, 89.591

Deuteranopia
48, 6.391, 346.609



Tritanopia
48, 25.683, 211.775

Trichromacy



Original Color
48, 34.296, 178.815

Protanomaly
47, 18.529, 172.720

Deuteranomaly
46, 14.628, 190.753

Tritanomaly
48, 28.095, 197.773

Monochromacy



Original Color
48, 34.296, 178.815

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 17.740, 185.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 34.296, 178.815 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, 129, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 112)  
}
```

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, 129, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 34.296, 178.815 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, 129, 112) }
```

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

```
.border{ border-color:rgb(0, 129, 112) }
```

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

Here you see how a box with a 4 pixel rgb(0, 129, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 34.296, 178.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 112) }
```

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

```
.background{ background-color: rgb(0, 129,  
112) }
```

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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