

Converting Colors

CIELCh(68, 44.497, 180.047)

Have a look what the booklet for
CIELCh(68, 44.497, 180.047)
contains.

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Color

CIELCh(68, 44.350, 179.975)

Conversions

Conversions Part 1

Format	Color
Hex	02BAA4
RGB	2, 186, 164
RGB Percent	1%, 73%, 64%
CMY	0.9934, 0.2692, 0.3555
CMYK	0.99, 0.00, 0.12, 0.27
HSL	173°, 98%, 37%
HSV	173°, 99%, 73%
XYZ	24.3870, 37.9720, 41.3285
YIQ	128.4760, -102.6020, -45.8500

Conversions

Conversions Part 2

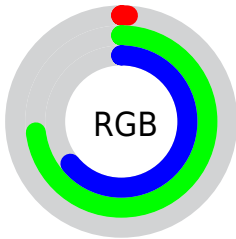
Format	Color
RYB	2, 100, 186
Decimal	178852
CIELab	68.00, -44.35, 0.02
CIELCh	68, 44.350, 179.975
Yxy	37.9720, 0.2352, 0.3662
Android (android.graphics.Color)	4278368932 (0xFF02BAA4)
YUV	128.4760, 17.5133, -110.9195
Hunter-Lab	61.6215, -37.1954, 3.3702

Details

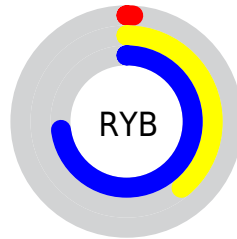
The CIELCh color **68, 44.350, 179.975** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **39, 76.936, 34.489**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 44.287, 180.003**, and **49, 35.699, 176.527** is the 20% darker color. If you saturate the color by 10%, you get **68, 44.464, 179.858**, and if you desaturate by 10%, it is **68, 43.008, 181.266**.

Distribution



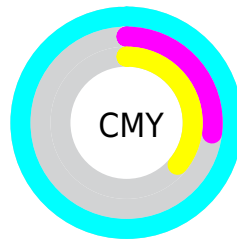
- Red (1%)
- Green (73%)
- Blue (64%)



- Red (1%)
- Yellow (39%)
- Blue (73%)



- Cyan (99%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)



- Cyan (99%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 44.350, 179.975 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 68, 44.350, 179.975 by changing the saturation by 10% instead.

 68, 44.350,
179.975

 68, 44.350,
179.975

 100, 44.350,
179.975

 58, 44.350,
179.975


 88, 44.350,
179.975

 48, 44.350,
179.975

 98, 44.350,
179.975

 38, 44.350,
179.975

 28, 44.350,
179.975

 18, 44.350,
179.975

 8, 44.350, 179.975

 0, 44.350, 179.975

■ 68, 44.350,
179.975

■ 68, 44.350,
179.975

■ 68, 44.464,
179.858

■ 68, 43.008,
181.266

■ 68, 41.005,
182.461

■ 69, 38.190,
183.554

■ 69, 34.546,
184.562

■ 70, 30.110,
185.505

■ 71, 24.958,
186.401

■ 72, 19.194,
187.262

■ 73, 12.931,

188.103

■ 74, 6.284, 188.953

Harmonies

Complementary

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



68, 44.350, 179.975



39, 76.936, 34.489

Rectangle

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



68, 44.350, 179.975



68, 44.350, 229.975



68, 44.350, 359.975



68, 44.350, 49.975

Sweetspot

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



68, 44.350, 179.974



91, 24.392, 187.143



66, 93.484, 135.326



48, 16.552, 186.780



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 44.350, 179.974



86, 54.259, 179.618



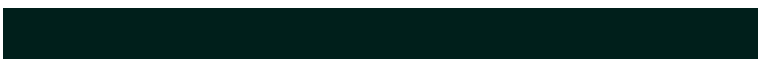
48, 43.286, 267.081



39, 3.955, 188.929



58, 39.304, 180.038



9, 12.410, 183.985

Inverse Universe

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



39, 76.936, 34.489



51, 95.147, 35.626



45, 71.448, 51.109



37, 4.139, 10.320



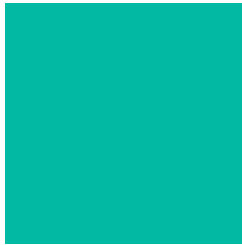
33, 68.108, 34.210



3, 12.359, 12.569

Previews

White Background



This preview shows how the CIE LCh color 68, 44.350, 179.975 looks on a white background.

Color Contrast Check

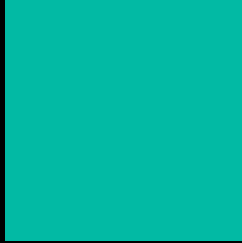
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 44.350, 179.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

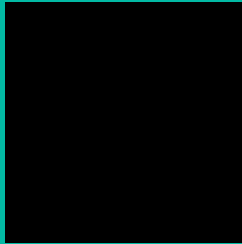
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 44.350, 179.975

Background



This preview shows how black text looks on a background with the CIELCh color 68, 44.350, 179.975.

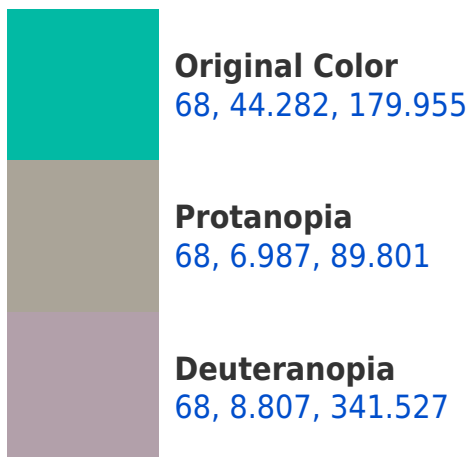


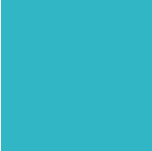
This preview shows how white text looks on a background with the CIELCh color 68, 44.350, 179.975.

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





Tritanopia
68, 34.528, 210.916

Trichromacy



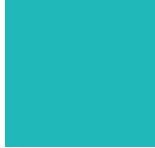
Original Color
68, 44.282, 179.955



Protanomaly
66, 24.032, 175.640



Deuteranomaly
66, 19.294, 194.473



Tritanomaly
68, 37.544, 197.367

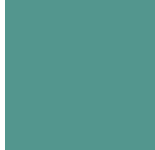
Monochromacy



Original Color
68, 44.282, 179.955



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 23.457, 185.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 44.350, 179.975 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(2, 186, 164)` looks like.

```
.text, #text, p{  
    color:rgb(2, 186, 164)  
}
```

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(2, 186, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 186, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 44.350, 179.975 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(2, 186, 164) }
```

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

```
.border{ border-color:rgb(2, 186, 164) }
```

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

Here you see how a box with a 4 pixel rgb(2, 186, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 186, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 186, 164);  
box-shadow:4px 4px 4px 4px rgb(2, 186,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 44.350, 179.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 186, 164) }
```

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

```
.background{ background-color: rgb(2, 186,  
164) }
```

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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