

Converting Colors

CIELCh(67, 46.322, 189.972)

Have a look what the booklet for
CIELCh(67, 46.322, 189.972)
contains.

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Color

CIELCh(68, 41.003, 189.197)

Conversions

Conversions Part 1

Format	Color
Hex	01B9B0
RGB	1, 185, 176
RGB Percent	0%, 73%, 69%
CMY	0.9945, 0.2734, 0.3087
CMYK	0.99, 0.00, 0.05, 0.27
HSL	177°, 99%, 37%
HSV	177°, 99%, 73%
XYZ	25.2900, 37.9720, 47.2155
YIQ	128.9580, -106.7750, -41.8070

Conversions

Conversions Part 2

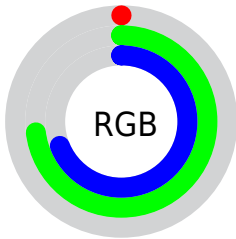
Format	Color
R _Y B	1, 95, 185
Decimal	113072
CIE Lab	68.00, -40.48, -6.55
CIE LCh	68, 41.003, 189.197
Yxy	37.9720, 0.2289, 0.3437
Android (android.graphics.Color)	4278303152 (0xFF01B9B0)
YUV	128.9580, 23.1917, -112.2192
Hunter-Lab	61.6215, -34.5796, -2.2941

Details

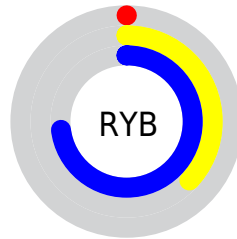
The CIELCh color **68, 41.003, 189.197** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **39, 79.797, 37.890**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 40.954, 189.381**, and **49, 31.930, 188.733** is the 20% darker color. If you saturate the color by 10%, you get **68, 41.064, 189.148**, and if you desaturate by 10%, it is **68, 40.103, 189.836**.

Distribution



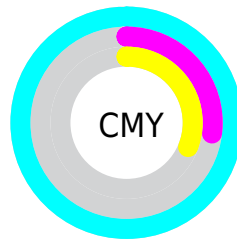
- Red (0%)
- Green (73%)
- Blue (69%)



- Red (0%)
- Yellow (37%)
- Blue (73%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)



- Cyan (99%)
- Magenta (27%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 41.003, 189.197 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, 41.003, 189.197 by changing the saturation by 10% instead.


 68, 41.003,
189.197


 68, 41.003,
189.197


 100, 41.003,
189.197

 58, 41.003,
189.197


 88, 41.003,
189.197

 48, 41.003,
189.197

 98, 41.003,
189.197

 38, 41.003,
189.197

 28, 41.003,
189.197

 18, 41.003,
189.197

 8, 41.003, 189.197

 0, 41.003, 189.197

■ 68, 41.003,
189.197

■ 68, 41.003,
189.197

■ 68, 41.064,
189.148

■ 68, 40.103,
189.836

■ 68, 38.547,
190.451

■ 69, 36.173,
191.048

■ 69, 32.956,
191.639

■ 70, 28.921,
192.235

■ 71, 24.133,
192.842

■ 72, 18.685,
193.467

■ 73, 12.687,

194.114

■ 74, 6.249, 194.805

Harmonies

Complementary

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



68, 41.003, 189.197



39, 79.797, 37.890

Rectangle

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



68, 41.003, 189.197



68, 41.003, 239.197



68, 41.003, 9.197



68, 41.003, 59.197

Sweetspot

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



68, 41.003, 189.196



90, 23.525, 193.388



66, 93.780, 135.841



47, 15.794, 193.126



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 41.003, 189.196



86, 49.848, 189.035



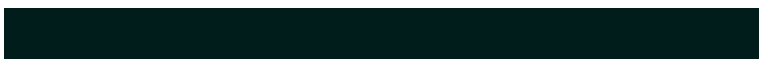
43, 50.969, 278.382



38, 3.800, 194.799



58, 36.062, 189.240



8, 10.673, 192.204

Inverse Universe

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



39, 79.797, 37.890



50, 97.882, 38.571



48, 68.184, 56.795



36, 4.007, 15.948



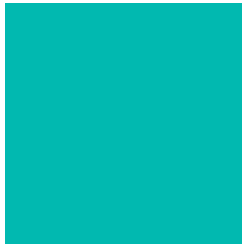
32, 70.030, 37.603



2, 10.660, 16.425

Previews

White Background



This preview shows how the CIE LCh color 68, 41.003, 189.197 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 CIELCh color 68, 41.003, 189.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

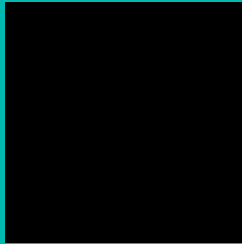
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

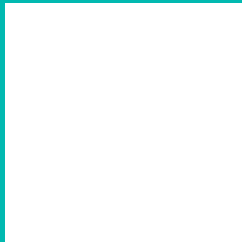
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 41.003, 189.197

Background



This preview shows how black text looks on a background with the CIELCh color 68, 41.003, 189.197.

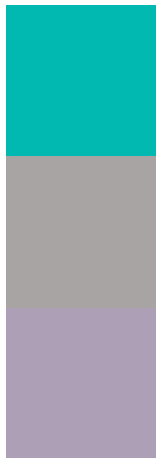


This preview shows how white text looks on a background with the CIELCh color 68, 41.003, 189.197.

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

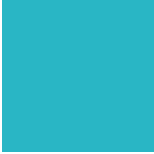
68, 40.969, 189.193

Protanopia

68, 1.524, 19.228

Deuteranopia

68, 13.114, 312.676



Tritanopia
68, 35.345, 210.531

Trichromacy



Original Color
68, 40.969, 189.193



Protanomaly
66, 22.129, 191.771



Deuteranomaly
66, 19.786, 216.041



Tritanomaly
68, 37.151, 201.753

Monochromacy



Original Color
68, 40.969, 189.193



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 22.344, 192.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 41.003, 189.197 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, 185, 176)` looks like.

```
.text, #text, p{  
    color:rgb(1, 185, 176)  
}
```

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, 185, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 185, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 41.003, 189.197 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, 185, 176) }
```

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

```
.border{ border-color:rgb(1, 185, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 185, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 185, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 185, 176);  
box-shadow:4px 4px 4px 4px rgb(1, 185,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 41.003, 189.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 185, 176) }
```

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

```
.background{ background-color: rgb(1, 185,  
176) }
```

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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