

Converting Colors

CIELCh(63, 46.457, 191.358)

Have a look what the booklet for
CIELCh(63, 46.457, 191.358)
contains.

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Color

CIELCh(64, 38.868, 190.425)

Conversions

Conversions Part 1

Format	Color
Hex	00ADA6
RGB	0, 173, 166
RGB Percent	0%, 68%, 65%
CMY	1.0000, 0.3199, 0.3473
CMYK	1.00, 0.00, 0.04, 0.32
HSL	178°, 100%, 34%
HSV	178°, 100%, 68%
XYZ	21.9154, 32.8017, 41.4621
YIQ	120.4750, -100.8610, -38.8530

Conversions

Conversions Part 2

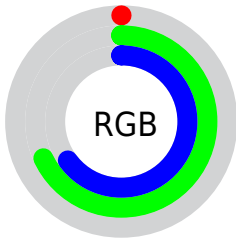
Format	Color
RYB	0, 88, 173
Decimal	44454
CIELab	64.00, -38.23, -7.03
CIELCh	64, 38.868, 190.425
Yxy	32.8017, 0.2279, 0.3410
Android (android.graphics.Color)	4278234534 (0xFF00ADA6)
YUV	120.4750, 22.4438, -105.6566
Hunter-Lab	57.2727, -31.9242, -2.8316

Details

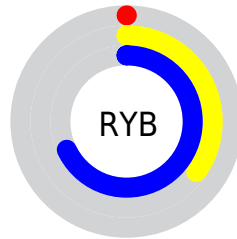
The CIELCh color **64, 38.868, 190.425** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 76.527, 38.269**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 38.701, 190.497**, and **45, 29.870, 189.266** is the 20% darker color. If you saturate the color by 10%, you get **64, 38.775, 190.417**, and if you desaturate by 10%, it is **64, 37.946, 190.956**.

Distribution



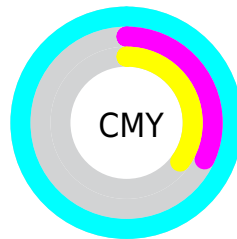
- Red (0%)
- Green (68%)
- Blue (65%)



- Red (0%)
- Yellow (35%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 38.868, 190.425 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 64, 38.868, 190.425 by changing the saturation by 10% instead.

 64, 38.868,
190.425


 64, 38.868,
190.425


 100, 38.868,
190.425

 54, 38.868,
190.425


 84, 38.868,
190.425

 44, 38.868,
190.425

 94, 38.868,
190.425

 34, 38.868,
190.425

 24, 38.868,
190.425

 14, 38.868,
190.425

 4, 38.868, 190.425

 0, 38.868, 190.425

■ 64, 38.868,
190.425

■ 64, 38.868,
190.425

■ 64, 38.775,
190.417

■ 64, 37.946,
190.956

■ 64, 36.539,
191.484

■ 65, 34.363,
192.006

■ 65, 31.390,
192.533

■ 66, 27.641,
193.074

■ 66, 23.174,
193.635

■ 67, 18.075,
194.221

■ 68, 12.444,

194.835

■ 70, 6.385, 195.493

Harmonies

Complementary

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



64, 38.868, 190.425



36, 76.527, 38.269

Rectangle

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



64, 38.868, 190.425



64, 38.868, 240.425



64, 38.868, 10.425



64, 38.868, 60.425

Sweetspot

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



64, 38.775, 190.417



85, 22.248, 194.190



62, 89.436, 135.792



44, 14.931, 193.949



95, 0.011, 296.813



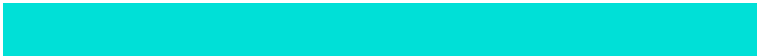
47, 0.006, 296.813

Same Dimension

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



64, 38.775, 190.417



81, 47.033, 190.318



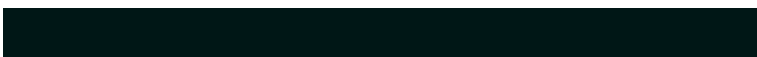
40, 48.664, 278.464



36, 3.620, 195.543



56, 34.910, 190.483



6, 7.839, 194.525

Inverse Universe

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



36, 76.527, 38.269



47, 93.321, 38.726



45, 65.232, 56.851



34, 3.819, 16.645



31, 68.522, 37.820



2, 7.815, 16.670

Previews

White Background



This preview shows how the CIE LCh color 64, 38.868, 190.425 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 64, 38.868, 190.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

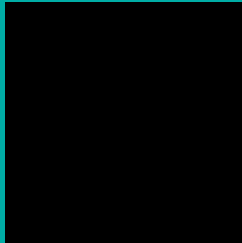
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 38.868, 190.425

Background



This preview shows how black text looks on a background with the CIELCh color 64, 38.868, 190.425.

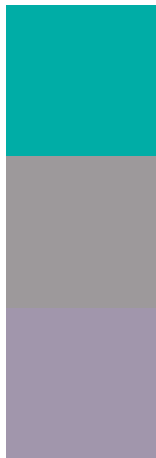


This preview shows how white text looks on a background with the CIELCh color 64, 38.868, 190.425.

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

64, 38.711, 190.394

Protanopia

64, 1.913, 343.676

Deuteranopia

64, 13.011, 309.633

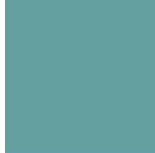


Tritanopia
64, 33.836, 210.330

Trichromacy



Original Color
64, 38.711, 190.394



Protanomaly
62, 20.424, 196.039



Deuteranomaly
62, 19.548, 216.451



Tritanomaly
64, 35.497, 202.060

Monochromacy



Original Color
64, 38.711, 190.394



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 21.411, 194.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 38.868, 190.425 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, 173, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 166)  
}
```

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, 173, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 38.868, 190.425 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, 173, 166) }
```

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

```
.border{ border-color:rgb(0, 173, 166) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 38.868, 190.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 166) }
```

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

```
.background{ background-color: rgb(0, 173,  
166) }
```

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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