

Converting Colors

CIELCh(63, 38.337, 190.466)

Have a look what the booklet for
CIELCh(63, 38.337, 190.466)
contains.

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Color

CIELCh(63, 38.035, 191.145)

Conversions

Conversions Part 1

Format	Color
Hex	02AAAA
RGB	2, 170, 164
RGB Percent	1%, 67%, 64%
CMY	0.9937, 0.3319, 0.3555
CMYK	0.99, 0.00, 0.04, 0.33
HSL	178°, 98%, 34%
HSV	178°, 99%, 67%
XYZ	21.1941, 31.5869, 40.2679
YIQ	119.0840, -98.2020, -37.4820

Conversions

Conversions Part 2

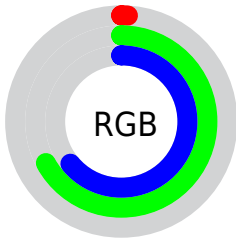
Format	Color
R_{YB}	2, 88, 170
Decimal	174756
CIE _{Lab}	63.00, -37.32, -7.35
CIE _{LCh}	63, 38.035, 191.145
Yxy	31.5869, 0.2278, 0.3395
Android (android.graphics.Color)	4278364836 (0xFF02AAA4)
YUV	119.0840, 22.1436, -102.6827
Hunter-Lab	56.2022, -31.0410, -3.1387

Details

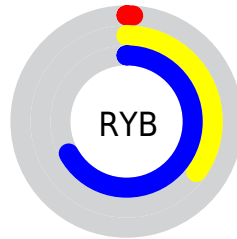
The CIELCh color **63, 38.035, 191.145** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 75.180, 38.169**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 37.920, 191.191**, and **44, 29.141, 190.281** is the 20% darker color. If you saturate the color by 10%, you get **63, 38.106, 191.099**, and if you desaturate by 10%, it is **63, 37.199, 191.628**.

Distribution



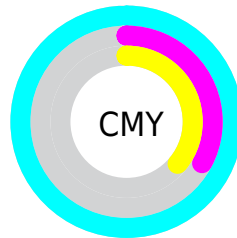
- Red (1%)
- Green (67%)
- Blue (64%)



- Red (1%)
- Yellow (35%)
- Blue (67%)



- Cyan (99%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)





- Cyan (99%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 38.035, 191.145 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 63, 38.035, 191.145 by changing the saturation by 10% instead.


 63, 38.035,
191.145


 63, 38.035,
191.145


 100, 38.035,
191.145


 53, 38.035,
191.145


 83, 38.035,
191.145

 43, 38.035,
191.145

 93, 38.035,
191.145

 33, 38.035,
191.145

 23, 38.035,
191.145

 13, 38.035,
191.145

 3, 38.035, 191.145

 0, 38.035, 191.145

■ 63, 38.035,
191.145

■ 63, 38.035,
191.145

■ 63, 38.106,
191.099

■ 63, 37.199,
191.628

■ 63, 35.757,
192.108

■ 64, 33.553,
192.590

■ 64, 30.564,
193.084

■ 65, 26.814,
193.599

■ 65, 22.362,
194.139

■ 66, 17.295,
194.707

■ 67, 11.710,

195.307

■ 69, 5.712, 195.960

Harmonies

Complementary

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



63, 38.035, 191.145



35, 75.180, 38.169

Rectangle

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



63, 38.035, 191.145



63, 38.035, 241.145



63, 38.035, 11.145



63, 38.035, 61.145

Sweetspot

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



63, 38.035, 191.144



84, 22.014, 194.621



61, 88.028, 135.831



44, 14.908, 194.387



95, 0.011, 296.813



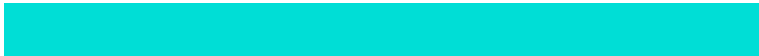
47, 0.006, 296.813

Same Dimension

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



63, 38.035, 191.144



80, 46.430, 191.007



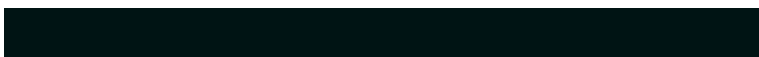
40, 47.538, 277.984



35, 3.529, 195.945



55, 34.332, 191.158



5, 6.595, 195.276

Inverse Universe

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



35, 75.180, 38.169



46, 92.678, 38.854



44, 63.835, 57.062



33, 3.724, 17.021



30, 67.760, 37.929



1, 6.582, 16.855

Previews

White Background



This preview shows how the CIELCh color 63, 38.035, 191.145 looks on a white background.

Color Contrast Check

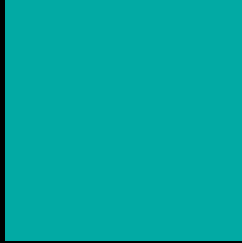
Large Text (above 18pt) WCAG AA × Fail

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 63, 38.035, 191.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

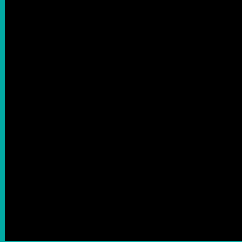
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 38.035, 191.145

Background



This preview shows how black text looks on a background with the CIELCh color 63, 38.035, 191.145.

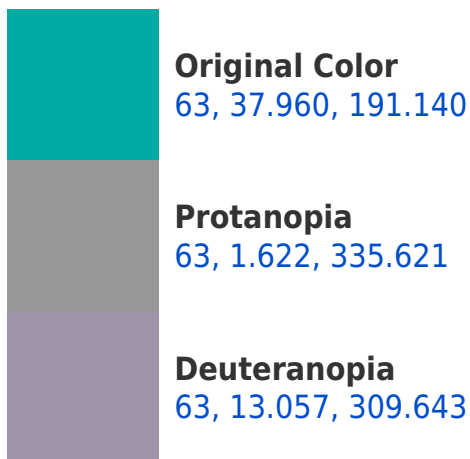


This preview shows how white text looks on a background with the CIELCh color 63, 38.035, 191.145.

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



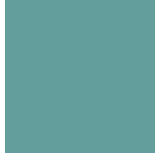


Tritanopia
63, 33.428, 209.531

Trichromacy



Original Color
63, 37.960, 191.140



Protanomaly
61, 20.149, 196.021



Deuteranomaly
61, 18.878, 219.120



Tritanomaly
63, 35.054, 202.148

Monochromacy



Original Color
63, 37.960, 191.140



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 21.280, 192.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 38.035, 191.145 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, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(2, 170, 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, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 170, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 38.035, 191.145 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, 170, 164) }
```

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

```
.border{ border-color:rgb(2, 170, 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, 170, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(2, 170,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 38.035, 191.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 170, 164) }
```

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

```
.background{ background-color: rgb(2, 170,  
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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