

Converting Colors

CIELCh(66, 38.811, 193.860)

Have a look what the booklet for
CIELCh(66, 38.811, 193.860)
contains.

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Color

CIELCh(66, 38.842, 193.853)

Conversions

Conversions Part 1

Format	Color
Hex	01B3B0
RGB	1, 179, 176
RGB Percent	0%, 70%, 69%
CMY	0.9945, 0.2986, 0.3103
CMYK	0.99, 0.00, 0.02, 0.30
HSL	179°, 98%, 35%
HSV	179°, 99%, 70%
XYZ	23.9332, 35.3238, 46.5619
YIQ	125.4360, -105.1250, -38.6690

Conversions

Conversions Part 2

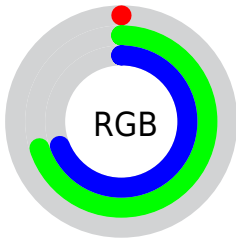
Format	Color
RYB	1, 91, 179
Decimal	111536
CIELab	66.00, -37.71, -9.30
CIElCh	66, 38.842, 193.853
Yxy	35.3238, 0.2262, 0.3338
Android (android.graphics.Color)	4278301616 (0xFF01B3B0)
YUV	125.4360, 24.9281, -109.1304
Hunter-Lab	59.4338, -32.1297, -4.8456

Details

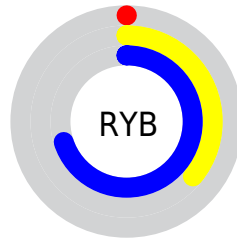
The CIELCh color **66, 38.842, 193.853** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **37, 78.906, 39.051**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 38.635, 194.532**, and **47, 29.720, 195.206** is the 20% darker color. If you saturate the color by 10%, you get **66, 38.894, 193.832**, and if you desaturate by 10%, it is **66, 38.088, 194.117**.

Distribution



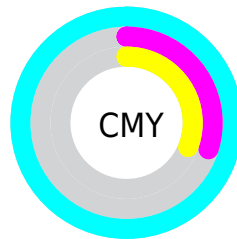
- Red (0%)
- Green (70%)
- Blue (69%)



- Red (0%)
- Yellow (36%)
- Blue (70%)



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)





- Cyan (99%)
- Magenta (30%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 38.842, 193.853 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 66, 38.842, 193.853 by changing the saturation by 10% instead.


 66, 38.842,
193.853


 66, 38.842,
193.853


 100, 38.842,
193.853


 56, 38.842,
193.853


 86, 38.842,
193.853

 46, 38.842,
193.853

 96, 38.842,
193.853

 36, 38.842,
193.853

 26, 38.842,
193.853

 16, 38.842,
193.853

 6, 38.842, 193.853

 0, 38.842, 193.853

■ 66, 38.842,
193.853

■ 66, 38.842,
193.853

■ 66, 38.894,
193.832

■ 66, 38.088,
194.117

■ 66, 36.704,
194.403

■ 67, 34.528,
194.721

■ 67, 31.530,
195.077

■ 68, 27.731,
195.477

■ 68, 23.188,
195.921

■ 69, 17.988,
196.410

■ 70, 12.233,

196.946

■ 72, 6.028, 197.544

Harmonies

Complementary

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



66, 38.842, 193.853



37, 78.906, 39.051

Rectangle

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



66, 38.842, 193.853



66, 38.842, 243.853



66, 38.842, 13.853



66, 38.842, 63.853

Sweetspot

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



66, 38.842, 193.852



88, 22.712, 196.345



64, 91.419, 135.906



46, 15.368, 196.138



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 38.842, 193.852



84, 47.270, 193.789



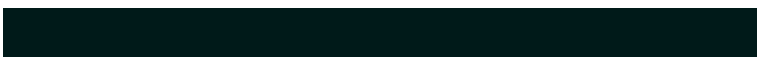
41, 51.225, 280.139



37, 3.696, 197.538



57, 34.656, 193.862



7, 9.157, 197.066

Inverse Universe

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



37, 78.906, 39.051



48, 96.676, 39.476



47, 65.834, 58.174



35, 3.910, 18.543



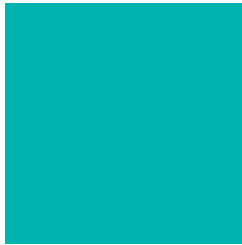
31, 70.299, 38.851



2, 9.160, 18.318

Previews

White Background



This preview shows how the CIE LCh color 66, 38.842, 193.853 looks on a white background.

Color Contrast Check

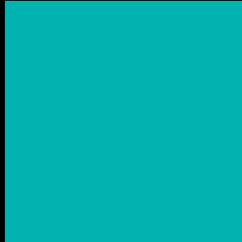
Large Text (above 18pt) WCAG AA × Fail

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 66, 38.842, 193.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

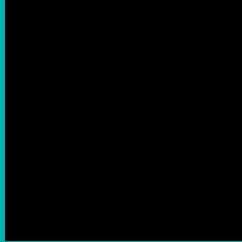
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 38.842, 193.853

Background



This preview shows how black text looks on a background with the CIELCh color 66, 38.842, 193.853.

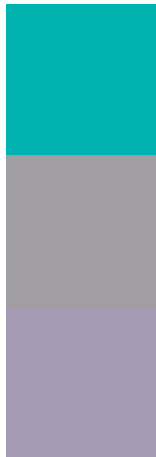


This preview shows how white text looks on a background with the CIELCh color 66, 38.842, 193.853.

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](#).

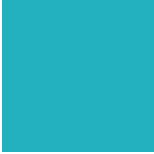
Dichromacy



Original Color
66, 38.877, 193.852

Protanopia
65, 3.018, 312.564

Deuteranopia
66, 14.960, 305.692

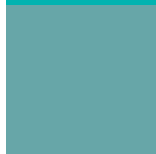


Tritanopia
66, 35.040, 209.743

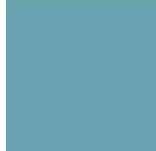
Trichromacy



Original Color
66, 38.877, 193.852



Protanomaly
64, 21.012, 200.718



Deuteranomaly
64, 20.281, 222.538



Tritanomaly
66, 36.473, 202.770

Monochromacy



Original Color
66, 38.877, 193.852



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 21.945, 194.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 38.842, 193.853 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, 179, 176)` looks like.

```
.text, #text, p{  
    color:rgb(1, 179, 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, 179, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 179, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 38.842, 193.853 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, 179, 176) }
```

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

```
.border{ border-color:rgb(1, 179, 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, 179, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 179, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 179, 176);  
box-shadow:4px 4px 4px 4px rgb(1, 179,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 38.842, 193.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 179, 176) }
```

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

```
.background{ background-color: rgb(1, 179,  
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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