

Converting Colors

CIELCh(67, 38.706, 196.514)

Have a look what the booklet for
CIELCh(67, 38.706, 196.514)
contains.

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Color

CIELCh(67, 38.804, 196.394)

Conversions

Conversions Part 1

Format	Color
Hex	01B6B6
RGB	1, 182, 182
RGB Percent	0%, 71%, 71%
CMY	0.9969, 0.2881, 0.2880
CMYK	1.00, 0.00, 0.00, 0.29
HSL	180°, 99%, 36%
HSV	180°, 100%, 71%
XYZ	25.0405, 36.6320, 49.7625
YIQ	127.8810, -107.8760, -38.3720

Conversions

Conversions Part 2

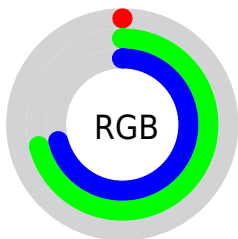
Format	Color
RYB	1, 92, 182
Decimal	112310
CIELab	67.00, -37.23, -10.95
CIELCh	67, 38.804, 196.394
Yxy	36.6320, 0.2247, 0.3287
Android (android.graphics.Color)	4278302390 (0xFF01B6B6)
YUV	127.8810, 26.6807, -111.2746
Hunter-Lab	60.5244, -32.0674, -6.3806

Details

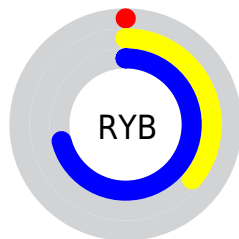
The CIELCh color **67, 38.804, 196.394** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **38, 80.753, 39.857**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 39.018, 196.133**, and **48, 29.908, 197.554** is the 20% darker color. If you saturate the color by 10%, you get **67, 38.830, 196.391**, and if you desaturate by 10%, it is **67, 38.122, 196.443**.

Distribution



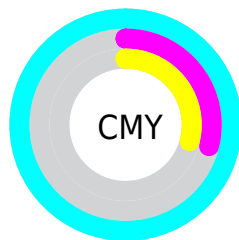
- Red (0%)
- Green (71%)
- Blue (71%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 38.804, 196.394 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 67, 38.804, 196.394 by changing the saturation by 10% instead.

 67, 38.804,
196.394

 67, 38.804,
196.394


 100, 38.804,
196.394

 57, 38.804,
196.394

 87, 38.804,
196.394

 47, 38.804,
196.394


 97, 38.804,
196.394

 37, 38.804,
196.394

 27, 38.804,
196.394

 17, 38.804,
196.394

 7, 38.804, 196.394

 0, 38.804, 196.394

■ 67, 38.804,
196.394

■ 67, 38.804,
196.394

■ 67, 38.830,
196.391

■ 67, 38.122,
196.443

■ 67, 36.818,
196.539

■ 68, 34.718,
196.695

■ 68, 31.786,
196.916

■ 69, 28.035,
197.202

■ 69, 23.521,
197.551

■ 70, 18.328,
197.962

■ 71, 12.557,

198.432

■ 73, 6.314, 198.974

Harmonies

Complementary

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



67, 38.804, 196.394



38, 80.753, 39.857

Rectangle

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



67, 38.804, 196.394



67, 38.804, 246.394



67, 38.804, 16.394



67, 38.804, 66.394

Sweetspot

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



67, 38.803, 196.393



89, 23.025, 197.920



64, 92.704, 136.034



47, 15.569, 197.743



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 38.803, 196.393



85, 47.435, 196.391



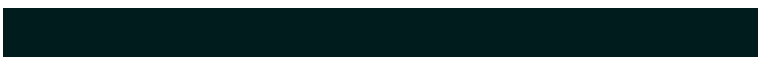
39, 55.639, 283.827



38, 3.777, 198.987



58, 34.642, 196.391



8, 10.518, 197.742

Inverse Universe

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



43, 89.458, 328.230



56, 109.388, 328.234



49, 65.815, 60.736



36, 6.910, 324.927



37, 79.888, 328.234



3, 18.823, 324.745

Previews

White Background



This preview shows how the CIE LCh color 67, 38.804, 196.394 looks on a white background.

Color Contrast Check

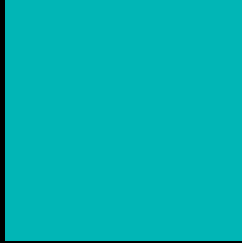
Large Text (above 18pt) WCAG AA × Fail

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 67, 38.804, 196.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

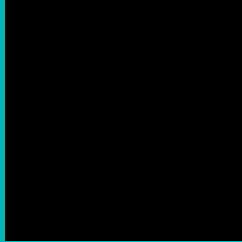
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

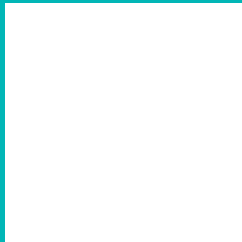
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 38.804, 196.394

Background



This preview shows how black text looks on a background with the CIELCh color 67, 38.804, 196.394.

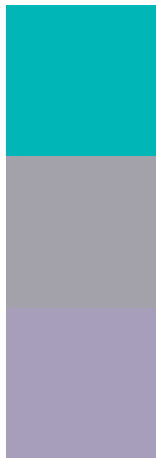


This preview shows how white text looks on a background with the CIELCh color 67, 38.804, 196.394.

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

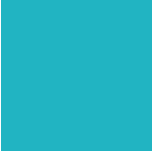
67, 38.870, 196.389

Protanopia

67, 4.505, 300.196

Deuteranopia

67, 16.375, 301.883



Tritanopia
67, 35.707, 209.438

Trichromacy



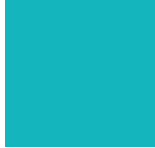
Original Color
67, 38.870, 196.389



Protanomaly
65, 21.170, 206.852



Deuteranomaly
65, 21.490, 225.968



Tritanomaly
67, 36.996, 203.541

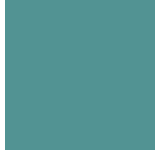
Monochromacy



Original Color
67, 38.870, 196.389



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.724, 197.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 38.804, 196.394 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, 182, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 182, 182)  
}
```

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, 182, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 182, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 38.804, 196.394 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, 182, 182) }
```

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

```
.border{ border-color:rgb(1, 182, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 182, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 182, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 182, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 182,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 38.804, 196.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 182, 182) }
```

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

```
.background{ background-color: rgb(1, 182,  
182) }
```

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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