

Converting Colors

CIELCh(67, 38.022, 201.784)

Have a look what the booklet for
CIELCh(67, 38.022, 201.784)
contains.

CIELCh(67, 37.977, 201.571)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 37.977, 201.571)

Conversions

Conversions Part 1

Format	Color
Hex	00B5BB
RGB	0, 181, 187
RGB Percent	0%, 71%, 73%
CMY	1.0000, 0.2902, 0.2667
CMYK	1.00, 0.03, 0.00, 0.27
HSL	182°, 100%, 37%
HSV	182°, 100%, 73%
XYZ	25.4906, 36.6320, 52.7370
YIQ	127.5650, -109.8020, -36.5060

Conversions

Conversions Part 2

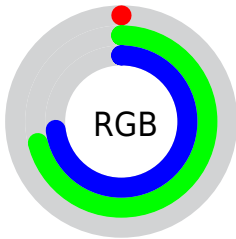
Format	Color
RYB	0, 92, 187
Decimal	46523
CIELab	67.00, -35.32, -13.96
CIELCh	67, 37.977, 201.571
Yxy	36.6320, 0.2219, 0.3189
Android (android.graphics.Color)	4278236603 (0xFF00B5BB)
YUV	127.5650, 29.3015, -111.8745
Hunter-Lab	60.5244, -30.7399, -9.2944

Details

The CIELCh color **67, 37.977, 201.571** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **39, 82.383, 40.332**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 37.940, 201.813**, and **48, 29.045, 204.840** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.976, 201.570**, and if you desaturate by 10%, it is **67, 37.459, 201.159**.

Distribution



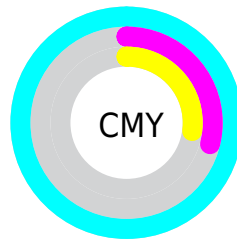
- Red (0%)
- Green (71%)
- Blue (73%)



- Red (0%)
- Yellow (36%)
- Blue (73%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (29%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.977, 201.571 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, 37.977, 201.571 by changing the saturation by 10% instead.


 67, 37.977,
201.571


 67, 37.977,
201.571


 100, 37.977,
201.571


 57, 37.977,
201.571


 87, 37.977,
201.571

 47, 37.977,
201.571

 97, 37.977,
201.571

 37, 37.977,
201.571

 27, 37.977,
201.571

 17, 37.977,
201.571

 7, 37.977, 201.571

 0, 37.977, 201.571

■ 67, 37.977,
201.571

■ 67, 37.977,
201.571

■ 67, 37.976,
201.570

■ 67, 37.459,
201.159

■ 68, 36.318,
200.853

■ 68, 34.361,
200.673

■ 69, 31.553,
200.614

■ 70, 27.913,
200.667

■ 71, 23.497,
200.822

■ 72, 18.394,
201.069

■ 73, 12.706,

201.398

■ 74, 6.540, 201.816

Harmonies

Complementary

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



67, 37.977, 201.571



39, 82.383, 40.332

Rectangle

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



67, 37.977, 201.571



67, 37.977, 251.571



67, 37.977, 21.571



67, 37.977, 71.571

Sweetspot

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



67, 37.976, 201.570



90, 22.657, 201.055



66, 94.563, 136.149



48, 15.315, 200.942



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 37.976, 201.570



85, 46.088, 201.658



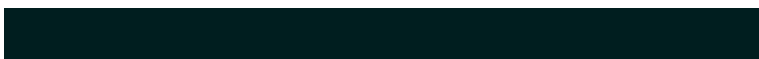
40, 59.184, 285.705



39, 3.740, 201.848



57, 33.560, 201.502



9, 11.165, 200.826

Inverse Universe

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



44, 89.263, 329.550



57, 108.359, 329.572



51, 67.087, 61.948



37, 6.916, 325.800



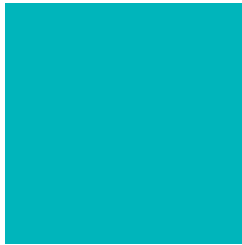
37, 78.866, 329.533



3, 20.827, 326.575

Previews

White Background



This preview shows how the CIE LCh color 67, 37.977, 201.571 looks on a white background.

Color Contrast Check

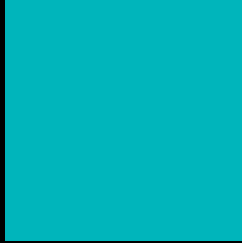
Large Text (above 18pt) WCAG AA × Fail

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, 37.977, 201.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

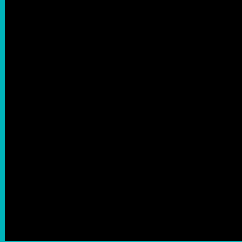
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.977, 201.571

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.977, 201.571.

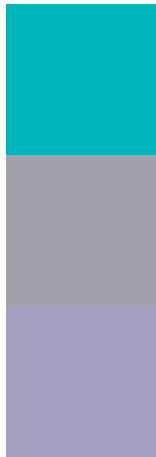


This preview shows how white text looks on a background with the CIELCh color 67, 37.977, 201.571.

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, 37.977, 201.571

Protanopia
67, 7.198, 290.931

Deuteranopia
67, 18.964, 297.420

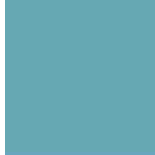


Tritanopia
67, 36.195, 209.231

Trichromacy



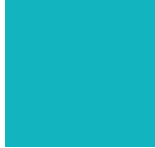
Original Color
67, 37.977, 201.571



Protanomaly
65, 21.857, 214.139



Deuteranomaly
65, 22.984, 233.901



Tritanomaly
67, 36.813, 206.268

Monochromacy



Original Color
67, 37.977, 201.571



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.816, 200.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.977, 201.571 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, 181, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 187)  
}
```

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, 181, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.977, 201.571 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, 181, 187) }
```

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

```
.border{ border-color:rgb(0, 181, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.977, 201.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 187) }
```

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

```
.background{ background-color: rgb(0, 181,  
187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor