

Converting Colors

CIELCh(59, 109.135, 199.299)

Have a look what the booklet for
CIELCh(59, 109.135, 199.299)
contains.

CIELCh(67, 37.229, 217.050)	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, 37.229, 217.050)

Conversions

Conversions Part 1

Format	Color
Hex	00B3CA
RGB	0, 179, 202
RGB Percent	0%, 70%, 79%
CMY	1.0000, 0.2967, 0.2066
CMYK	1.00, 0.11, 0.00, 0.21
HSL	187°, 100%, 40%
HSV	187°, 100%, 79%
XYZ	26.8430, 36.6320, 61.7354
YIQ	128.1010, -114.0670, -30.7950

Conversions

Conversions Part 2

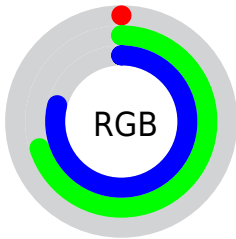
Format	Color
RYB	0, 95, 202
Decimal	46026
CIELab	67.00, -29.71, -22.43
CIELCh	67, 37.229, 217.050
Yxy	36.6320, 0.2144, 0.2926
Android (android.graphics.Color)	4278236106 (0xFF00B3CA)
YUV	128.1010, 36.4322, -112.3446
Hunter-Lab	60.5244, -26.7514, -18.1093

Details

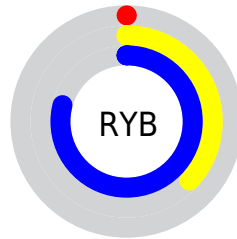
The CIELCh color **67, 37.229, 217.050** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **43, 86.034, 41.315**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 36.932, 213.904**, and **48, 29.075, 223.818** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.129, 217.112**, and if you desaturate by 10%, it is **68, 36.742, 215.160**.

Distribution



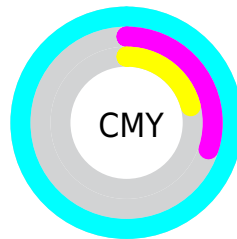
- Red (0%)
- Green (70%)
- Blue (79%)



- Red (0%)
- Yellow (37%)
- Blue (79%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (30%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.229, 217.050 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, 37.229, 217.050 by changing the saturation by 10% instead.

 67, 37.229,
217.050


 67, 37.229,
217.050


 100, 37.229,
217.050


 57, 37.229,
217.050


 87, 37.229,
217.050

 47, 37.229,
217.050

 97, 37.229,
217.050

 37, 37.229,
217.050

 27, 37.229,
217.050

 17, 37.229,
217.050

 7, 37.229, 217.050

 0, 37.229, 217.050

■ 67, 37.229,
217.050

■ 67, 37.229,
217.050

■ 67, 37.129,
217.112

■ 68, 36.742,
215.160

■ 69, 35.719,
213.544

■ 70, 33.866,
212.290

■ 71, 31.145,
211.353

■ 72, 27.577,
210.688

■ 74, 23.229,
210.251

■ 76, 18.192,
210.002

■ 77, 12.571,

209.911

■ 79, 6.474, 209.968

Harmonies

Complementary

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



67, 37.229, 217.050



43, 86.034, 41.315

Rectangle

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



67, 37.229, 217.050



67, 37.229, 267.050



67, 37.229, 37.050



67, 37.229, 87.050

Sweetspot

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



67, 37.129, 217.112



93, 21.915, 210.009



71, 98.614, 136.844



49, 14.690, 210.097



0, 0.000, 0.000



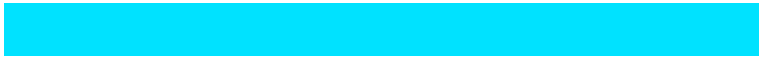
53, 0.007, 296.813

Same Dimension

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



67, 37.129, 217.112



83, 44.159, 217.432



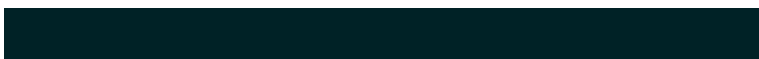
38, 73.896, 292.675



42, 3.703, 209.977



56, 32.048, 216.780



11, 12.139, 212.094

Inverse Universe

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



47, 88.757, 333.378



59, 105.532, 333.457



58, 69.587, 69.166



40, 6.972, 328.209



38, 76.631, 333.296



5, 26.485, 331.558

Previews

White Background



This preview shows how the CIELCh color 67, 37.229, 217.050 looks on a white background.

Color Contrast Check

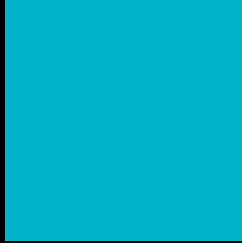
Large Text (above 18pt) WCAG AA × Fail

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, 37.229, 217.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

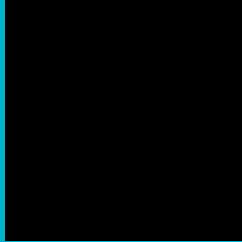
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.229, 217.050

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.229, 217.050.

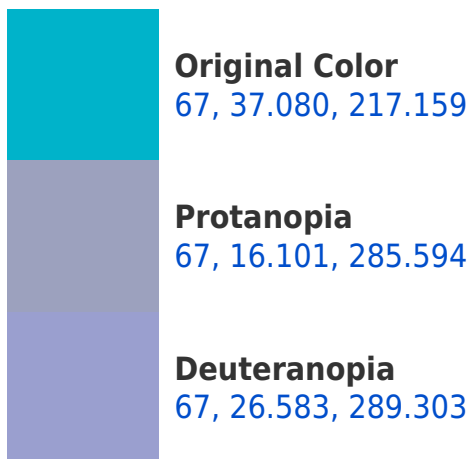


This preview shows how white text looks on a background with the CIELCh color 67, 37.229, 217.050.

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
67, 37.204, 209.718

Trichromacy



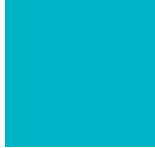
Original Color
67, 37.080, 217.159



Protanomaly
65, 24.877, 233.798



Deuteranomaly
65, 28.580, 248.110



Tritanomaly
67, 37.149, 212.466

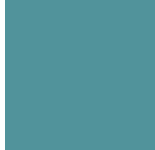
Monochromacy



Original Color
67, 37.080, 217.159



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.659, 209.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.229, 217.050 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, 179, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 202)  
}
```

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, 179, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.229, 217.050 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, 179, 202) }
```

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

```
.border{ border-color:rgb(0, 179, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.229, 217.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 202) }
```

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

```
.background{ background-color: rgb(0, 179,  
202) }
```

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