

Converting Colors

CIELCh(68, 37.605, 212.957)

Have a look what the booklet for
CIELCh(68, 37.605, 212.957)
contains.

CIELCh(68, 37.606, 213.118)	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(68, 37.606, 213.118)

Conversions

Conversions Part 1

Format	Color
Hex	00B7CA
RGB	0, 183, 202
RGB Percent	0%, 72%, 79%
CMY	1.0000, 0.2836, 0.2091
CMYK	1.00, 0.09, 0.00, 0.21
HSL	186°, 100%, 40%
HSV	186°, 100%, 79%
XYZ	27.4680, 37.9720, 61.5564
YIQ	130.4490, -115.1670, -32.8870

Conversions

Conversions Part 2

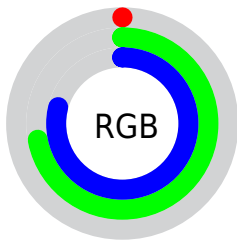
Format	Color
RYB	0, 96, 202
Decimal	47050
CIELab	68.00, -31.50, -20.55
CIELCh	68, 37.606, 213.118
Yxy	37.9720, 0.2163, 0.2990
Android (android.graphics.Color)	4278237130 (0xFF00B7CA)
YUV	130.4490, 35.2746, -114.4038
Hunter-Lab	61.6215, -28.2704, -16.0924

Details

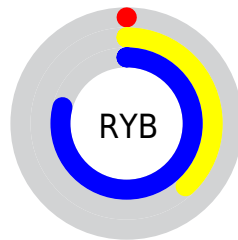
The CIELCh color **68, 37.606, 213.118** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **43, 86.237, 41.006**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 37.472, 210.200**, and **49, 29.275, 219.579** is the 20% darker color. If you saturate the color by 10%, you get **68, 37.557, 213.142**, and if you desaturate by 10%, it is **69, 37.188, 211.591**.

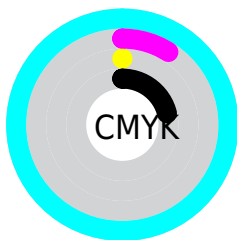
Distribution



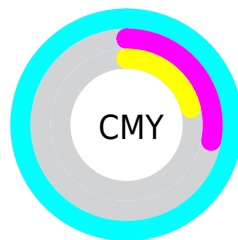
- Red (0%)
- Green (72%)
- Blue (79%)



- Red (0%)
- Yellow (38%)
- Blue (79%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (28%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.606, 213.118 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 68, 37.606, 213.118 by changing the saturation by 10% instead.

 68, 37.606,
213.118


 68, 37.606,
213.118


 100, 37.606,
213.118


 58, 37.606,
213.118


 88, 37.606,
213.118

 48, 37.606,
213.118

 98, 37.606,
213.118

 38, 37.606,
213.118

 28, 37.606,
213.118

 18, 37.606,
213.118

 8, 37.606, 213.118

 0, 37.606, 213.118

■ 68, 37.606,
213.118

■ 68, 37.606,
213.118

■ 68, 37.557,
213.142

■ 69, 37.188,
211.591

■ 69, 36.166,
210.316

■ 70, 34.299,
209.340

■ 72, 31.550,
208.631

■ 73, 27.943,
208.152

■ 74, 23.541,
207.867

■ 76, 18.440,
207.746

■ 77, 12.744,

207.763

■ 79, 6.563, 207.914

Harmonies

Complementary

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



68, 37.606, 213.118



43, 86.237, 41.006

Rectangle

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



68, 37.606, 213.118



68, 37.606, 263.118



68, 37.606, 33.118



68, 37.606, 83.118

Sweetspot

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



68, 37.557, 213.142



93, 22.271, 207.748



71, 98.801, 136.666



49, 14.927, 207.784



0, 0.000, 0.000



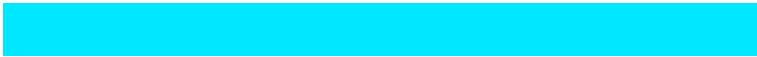
53, 0.007, 296.813

Same Dimension

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



68, 37.557, 213.142



84, 44.771, 213.402



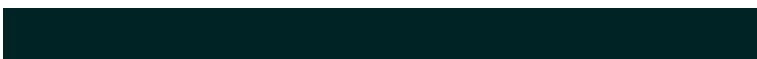
39, 71.509, 291.470



42, 3.764, 207.928



57, 32.499, 212.880



11, 12.313, 209.134

Inverse Universe

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



47, 89.909, 332.403



59, 107.179, 332.467



57, 69.634, 67.636



40, 7.067, 327.610



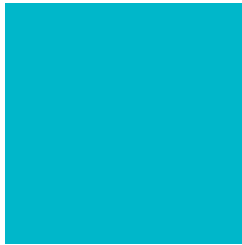
38, 77.795, 332.339



5, 26.912, 330.791

Previews

White Background



This preview shows how the CIELCh color 68, 37.606, 213.118 looks on a white background.

Color Contrast Check

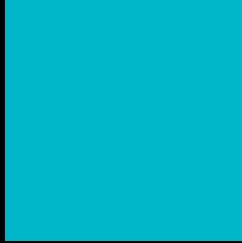
Large Text (above 18pt) WCAG AA × Fail

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 68, 37.606, 213.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

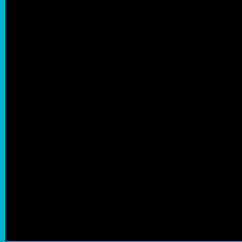
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

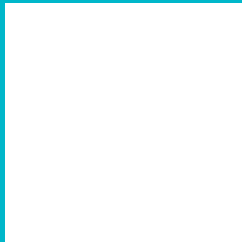
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 37.606, 213.118

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.606, 213.118.

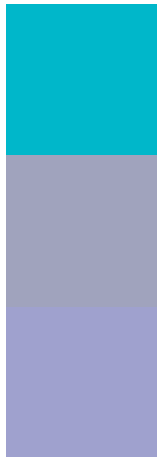


This preview shows how white text looks on a background with the CIELCh color 68, 37.606, 213.118.

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

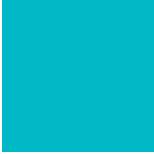
68, 37.606, 213.118

Protanopia

68, 14.371, 287.415

Deuteranopia

68, 24.851, 291.134

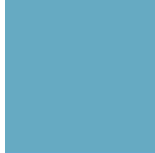


Tritanopia
68, 37.670, 209.509

Trichromacy



Original Color
68, 37.606, 213.118



Protanomaly
66, 24.222, 231.581



Deuteranomaly
66, 27.226, 244.078



Tritanomaly
68, 37.642, 210.410

Monochromacy



Original Color
68, 37.606, 213.118



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 21.659, 208.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.606, 213.118 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, 183, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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, 183, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.606, 213.118 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, 183, 202) }
```

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

```
.border{ border-color:rgb(0, 183, 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, 183, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.606, 213.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 202) }
```

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

```
.background{ background-color: rgb(0, 183,  
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