

Converting Colors

CIELCh(68, 39.013, 231.040)

Have a look what the booklet for
CIELCh(68, 39.013, 231.040)
contains.

CIELCh(68, 38.851, 230.198)	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, 38.851, 230.198)

Conversions

Conversions Part 1

Format	Color
Hex	00B5DB
RGB	0, 181, 219
RGB Percent	0%, 71%, 86%
CMY	1.0000, 0.2917, 0.1427
CMYK	1.00, 0.17, 0.00, 0.14
HSL	190°, 100%, 43%
HSV	190°, 100%, 86%
XYZ	29.1533, 37.9720, 72.5378
YIQ	131.2130, -120.0740, -26.5540

Conversions

Conversions Part 2

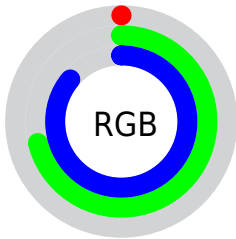
Format	Color
RYB	0, 99, 219
Decimal	46555
CIELab	68.00, -24.87, -29.85
CIELCh	68, 38.851, 230.198
Yxy	37.9720, 0.2087, 0.2719
Android (android.graphics.Color)	4278236635 (0xFF00B5DB)
YUV	131.2130, 43.2790, -115.0738
Hunter-Lab	61.6215, -23.3887, -26.6583

Details

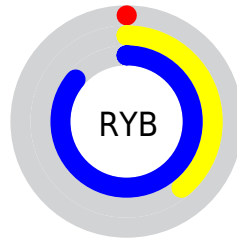
The CIELCh color **68, 38.851, 230.198** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **47, 89.574, 42.511**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 36.589, 212.316**, and **50, 31.916, 239.378** is the 20% darker color. If you saturate the color by 10%, you get **68, 38.800, 230.249**, and if you desaturate by 10%, it is **69, 38.132, 226.992**.

Distribution



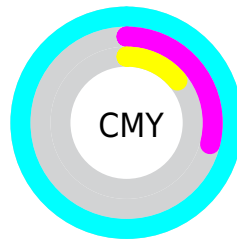
- Red (0%)
- Green (71%)
- Blue (86%)



- Red (0%)
- Yellow (39%)
- Blue (86%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 38.851, 230.198 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, 38.851, 230.198 by changing the saturation by 10% instead.

 68, 38.851,
230.198


 68, 38.851,
230.198

 100, 38.851,
230.198


 58, 38.851,
230.198


 88, 38.851,
230.198

 48, 38.851,
230.198

 98, 38.851,
230.198

 38, 38.851,
230.198

 28, 38.851,
230.198

 18, 38.851,
230.198

 8, 38.851, 230.198

 0, 38.851, 230.198

■ 68, 38.851,
230.198

■ 68, 38.851,
230.198

■ 68, 38.800,
230.249

■ 69, 38.132,
226.992

■ 71, 36.886,
224.251

■ 72, 34.850,
222.064

■ 74, 31.966,
220.364

■ 76, 28.247,
219.074

■ 78, 23.755,
218.121

■ 80, 18.580,
217.442

■ 82, 12.827,

216.987

■ 85, 6.602, 216.731

Harmonies

Complementary

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



68, 38.851, 230.198



47, 89.574, 42.511

Rectangle

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



68, 38.851, 230.198



68, 38.851, 280.198



68, 38.851, 50.198



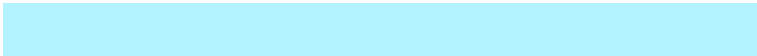
68, 38.851, 100.198

Sweetspot

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



68, 38.800, 230.249



92, 21.031, 217.457



76, 102.260, 137.747



48, 14.106, 217.718



0, 0.000, 0.000



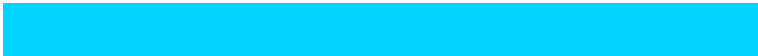
53, 0.007, 296.813

Same Dimension

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



68, 38.800, 230.249



78, 43.596, 230.582



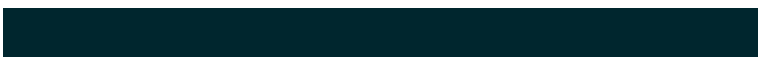
38, 88.095, 297.006



45, 3.763, 216.724



55, 32.627, 229.654



13, 13.129, 223.197

Inverse Universe

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



50, 89.720, 336.712



58, 100.667, 336.800



66, 73.461, 75.296



43, 7.094, 330.176



39, 75.633, 336.555



6, 30.580, 334.839

Previews

White Background



This preview shows how the CIE LCh color 68, 38.851, 230.198 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, 38.851, 230.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

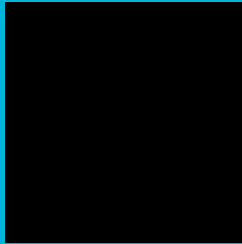
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 38.851, 230.198

Background



This preview shows how black text looks on a background with the CIELCh color 68, 38.851, 230.198.

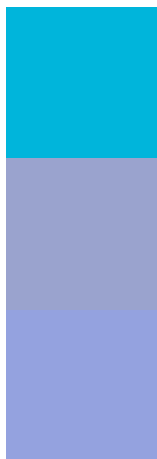


This preview shows how white text looks on a background with the CIELCh color 68, 38.851, 230.198.

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

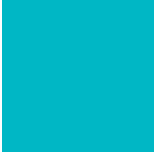
68, 38.851, 230.198

Protanopia

68, 23.829, 285.331

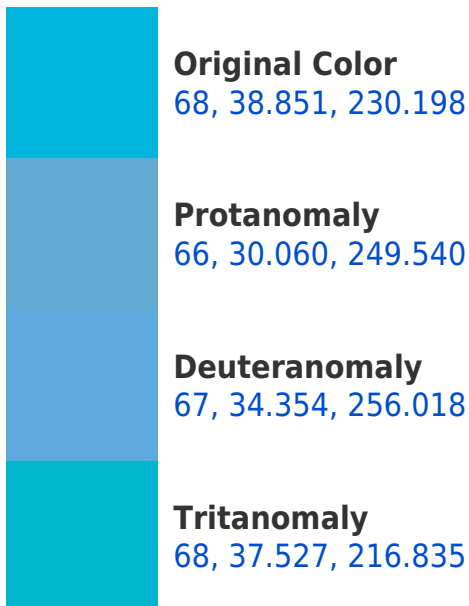
Deuteranopia

68, 33.783, 286.068



Tritanopia
68, 37.707, 208.609

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 38.851, 230.198 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 38.851, 230.198 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, 219) }
```

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

```
.border{ border-color:rgb(0, 181, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 38.851, 230.198 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, 219) }
```

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

```
.background{ background-color: rgb(0, 181,  
219) }
```

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