

Converting Colors

CIELCh(68, 37.986, 203.835)

Have a look what the booklet for
CIELCh(68, 37.986, 203.835)
contains.

CIELCh(68, 38.102, 203.271)	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, 38.102, 203.271)

Conversions

Conversions Part 1

Format	Color
Hex	04B8C0
RGB	4, 184, 192
RGB Percent	2%, 72%, 75%
CMY	0.9863, 0.2796, 0.2482
CMYK	0.98, 0.04, 0.00, 0.25
HSL	183°, 96%, 38%
HSV	183°, 98%, 75%
XYZ	26.6034, 37.9720, 55.6237
YIQ	131.0920, -109.8480, -35.6720

Conversions

Conversions Part 2

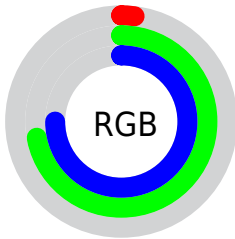
Format	Color
RYB	4, 96, 192
Decimal	309440
CIELab	68.00, -35.00, -15.05
CIELCh	68, 38.102, 203.271
Yxy	37.9720, 0.2213, 0.3159
Android (android.graphics.Color)	4278499520 (0xFF04B8C0)
YUV	131.0920, 30.0276, -111.4597
Hunter-Lab	61.6215, -30.7749, -10.3842

Details

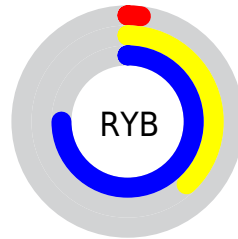
The CIELCh color **68, 38.102, 203.271** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **40, 82.743, 39.908**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 38.329, 202.555**, and **49, 29.410, 207.096** is the 20% darker color. If you saturate the color by 10%, you get **68, 38.174, 203.379**, and if you desaturate by 10%, it is **68, 37.556, 202.702**.

Distribution



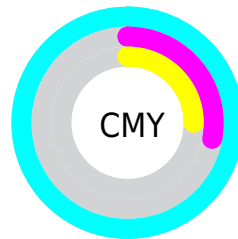
- Red (2%)
- Green (72%)
- Blue (75%)



- Red (2%)
- Yellow (38%)
- Blue (75%)



- Cyan (98%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)





- Cyan (99%)
- Magenta (28%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 38.102, 203.271 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, 38.102, 203.271 by changing the saturation by 10% instead.


 68, 38.102,
203.271


 68, 38.102,
203.271


 100, 38.102,
203.271


 58, 38.102,
203.271


 88, 38.102,
203.271

 48, 38.102,
203.271

 98, 38.102,
203.271

 38, 38.102,
203.271

 28, 38.102,
203.271

 18, 38.102,
203.271

 8, 38.102, 203.271

 0, 38.102, 203.271

■ 68, 38.102,
203.271

■ 68, 38.102,
203.271

■ 68, 38.174,
203.379

■ 68, 37.556,
202.702

■ 69, 36.295,
202.277

■ 69, 34.191,
202.003

■ 70, 31.221,
201.869

■ 71, 27.410,
201.862

■ 72, 22.827,
201.969

■ 73, 17.564,
202.176

■ 75, 11.726,

202.473

■ 76, 5.423, 202.876

Harmonies

Complementary

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



68, 38.102, 203.271



40, 82.743, 39.908

Rectangle

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



68, 38.102, 203.271



68, 38.102, 253.271



68, 38.102, 23.271



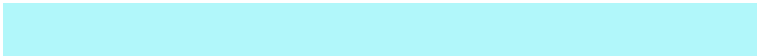
68, 38.102, 73.271

Sweetspot

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



68, 38.101, 203.270



93, 22.312, 202.144



68, 95.627, 136.337



49, 15.043, 202.049



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 38.101, 203.270



86, 46.553, 203.499



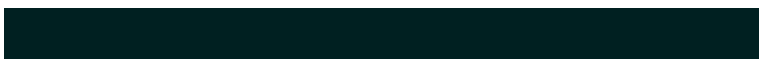
40, 61.202, 286.550



40, 3.784, 202.818



58, 33.513, 203.282



10, 11.861, 201.667

Inverse Universe

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



45, 89.884, 329.961



59, 110.014, 330.032



53, 67.143, 63.749



38, 7.020, 326.094



38, 79.153, 329.978



4, 23.284, 327.785

Previews

White Background



This preview shows how the CIELCh color 68, 38.102, 203.271 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, 38.102, 203.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

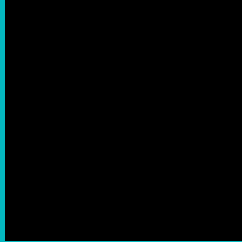
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 38.102, 203.271

Background



This preview shows how black text looks on a background with the CIELCh color 68, 38.102, 203.271.

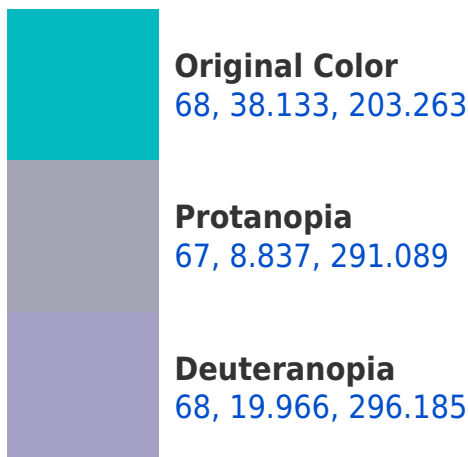


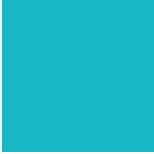
This preview shows how white text looks on a background with the CIELCh color 68, 38.102, 203.271.

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



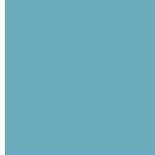


Tritanopia
68, 36.774, 209.887

Trichromacy



Original Color
68, 38.133, 203.263



Protanomaly
66, 22.018, 217.062



Deuteranomaly
66, 23.687, 235.924



Tritanomaly
68, 37.192, 207.919

Monochromacy



Original Color
68, 38.133, 203.263



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 21.505, 202.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 38.102, 203.271 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(4, 184, 192)` looks like.

```
.text, #text, p{  
    color:rgb(4, 184, 192)  
}
```

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(4, 184, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 184, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 38.102, 203.271 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(4, 184, 192) }
```

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

```
.border{ border-color:rgb(4, 184, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 184, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 184, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 184, 192);  
box-shadow:4px 4px 4px 4px rgb(4, 184,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 38.102, 203.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 184, 192) }
```

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

```
.background{ background-color: rgb(4, 184,  
192) }
```

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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