

Converting Colors

CIELCh(67, 38.894, 232.456)

Have a look what the booklet for
CIELCh(67, 38.894, 232.456)
contains.

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Color

CIELCh(67, 38.867, 233.408)

Conversions

Conversions Part 1

Format	Color
Hex	02B1DA
RGB	2, 177, 218
RGB Percent	1%, 69%, 85%
CMY	0.9940, 0.3049, 0.1440
CMYK	0.99, 0.19, 0.00, 0.14
HSL	191°, 99%, 43%
HSV	191°, 99%, 86%
XYZ	28.4817, 36.6320, 72.0834
YIQ	129.3490, -117.4610, -24.3490

Conversions

Conversions Part 2

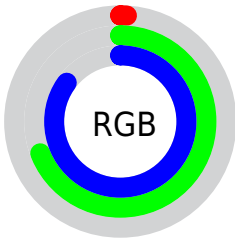
Format	Color
R_{YB}	2, 99, 218
Decimal	176602
CIE _{Lab}	67.00, -23.17, -31.21
CIE _{LCh}	67, 38.867, 233.408
Yxy	36.6320, 0.2076, 0.2670
Android (android.graphics.Color)	4278366682 (0xFF02B1DA)
YUV	129.3490, 43.7049, -111.6851
Hunter-Lab	60.5244, -21.9188, -28.2463

Details

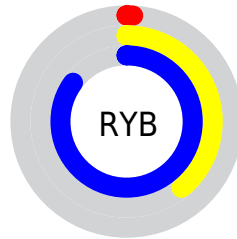
The CIELCh color **67, 38.867, 233.408** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **48, 88.462, 42.878**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 36.133, 216.144**, and **48, 32.297, 243.533** is the 20% darker color. If you saturate the color by 10%, you get **67, 38.920, 233.660**, and if you desaturate by 10%, it is **68, 38.045, 229.872**.

Distribution



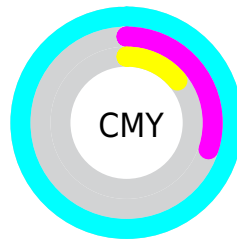
- Red (1%)
- Green (69%)
- Blue (85%)



- Red (1%)
- Yellow (39%)
- Blue (85%)



- Cyan (99%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)



- Cyan (99%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 38.867, 233.408 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, 38.867, 233.408 by changing the saturation by 10% instead.

 67, 38.867,
233.408

 67, 38.867,
233.408

 100, 38.867,
233.408

 57, 38.867,
233.408

 87, 38.867,
233.408

 47, 38.867,
233.408

 97, 38.867,
233.408

 37, 38.867,
233.408

 27, 38.867,
233.408

 17, 38.867,
233.408

 7, 38.867, 233.408

 0, 38.867, 233.408

■ 67, 38.867,
233.408

■ 67, 38.867,
233.408

■ 67, 38.920,
233.660

■ 68, 38.045,
229.872

■ 70, 36.653,
226.902

■ 72, 34.499,
224.523

■ 73, 31.524,
222.663

■ 75, 27.741,
221.240

■ 77, 23.212,
220.176

■ 80, 18.026,
219.403

■ 82, 12.285,

218.867

■ 85, 6.089, 218.543

Harmonies

Complementary

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



67, 38.867, 233.408



48, 88.462, 42.878

Rectangle

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



67, 38.867, 233.408



67, 38.867, 283.408



67, 38.867, 53.408



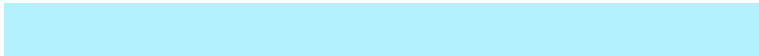
67, 38.867, 103.408

Sweetspot

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



67, 38.866, 233.408



91, 20.862, 219.466



76, 101.099, 138.138



48, 13.997, 219.774



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, 38.866, 233.408



77, 43.798, 234.027



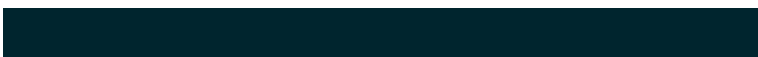
37, 89.622, 297.672



45, 3.729, 218.546



54, 32.745, 233.016



13, 13.100, 225.941

Inverse Universe

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



50, 88.527, 337.558



58, 99.483, 337.730



67, 73.286, 77.051



43, 7.017, 330.708



39, 74.761, 337.454



6, 30.248, 335.545

Previews

White Background



This preview shows how the CIE LCh color 67, 38.867, 233.408 looks on a white background.

Color Contrast Check

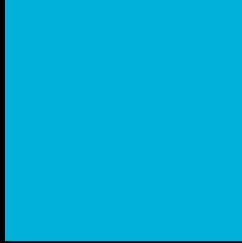
Large Text (above 18pt) WCAG AA × Fail

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, 38.867, 233.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

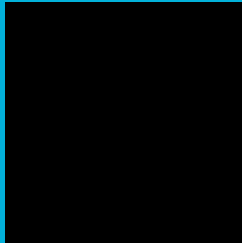
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 38.867, 233.408

Background



This preview shows how black text looks on a background with the CIELCh color 67, 38.867, 233.408.

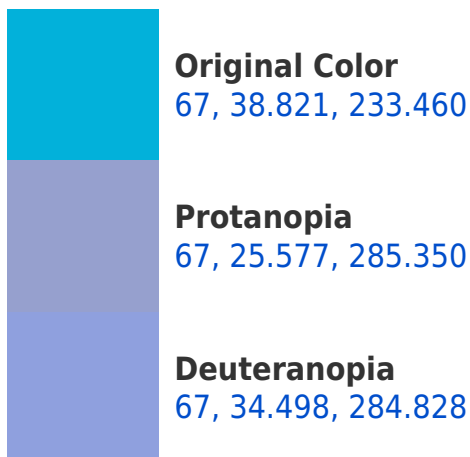


This preview shows how white text looks on a background with the CIELCh color 67, 38.867, 233.408.

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, 37.239, 208.804

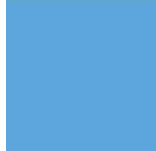
Trichromacy



Original Color
67, 38.821, 233.460



Protanomaly
65, 30.674, 251.765



Deuteranomaly
66, 35.498, 258.564



Tritanomaly
67, 37.094, 218.095

Monochromacy



Original Color
67, 38.821, 233.460



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.574, 219.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 38.867, 233.408 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(2, 177, 218)` looks like.

```
.text, #text, p{  
    color:rgb(2, 177, 218)  
}
```

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(2, 177, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 177, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 38.867, 233.408 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(2, 177, 218) }
```

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

```
.border{ border-color:rgb(2, 177, 218) }
```

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

Here you see how a box with a 4 pixel rgb(2, 177, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 177, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 177, 218);  
box-shadow:4px 4px 4px 4px rgb(2, 177,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 38.867, 233.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 177, 218) }
```

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

```
.background{ background-color: rgb(2, 177,  
218) }
```

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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