

Converting Colors

CIELCh(69, 38.202, 219.110)

Have a look what the booklet for
CIELCh(69, 38.202, 219.110)
contains.

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Color

CIELCh(69, 38.107, 219.190)

Conversions

Conversions Part 1

Format	Color
Hex	00B9D3
RGB	0, 185, 211
RGB Percent	0%, 73%, 83%
CMY	1.0000, 0.2749, 0.1730
CMYK	1.00, 0.12, 0.00, 0.17
HSL	187°, 100%, 41%
HSV	187°, 100%, 83%
XYZ	29.0614, 39.3444, 67.6155
YIQ	132.6490, -118.6060, -31.1340

Conversions

Conversions Part 2

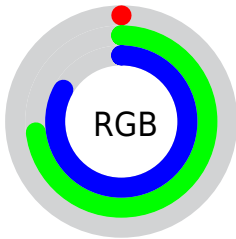
Format	Color
RYB	0, 99, 211
Decimal	47571
CIELab	69.00, -29.54, -24.08
CIELCh	69, 38.107, 219.190
Yxy	39.3444, 0.2137, 0.2893
Android (android.graphics.Color)	4278237651 (0xFF00B9D3)
YUV	132.6490, 38.6270, -116.3332
Hunter-Lab	62.7251, -27.0675, -20.0050

Details

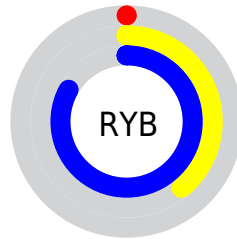
The CIELCh color **69, 38.107, 219.190** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **45, 88.570, 41.446**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 37.537, 208.493**, and **50, 30.166, 226.436** is the 20% darker color. If you saturate the color by 10%, you get **69, 38.091, 219.200**, and if you desaturate by 10%, it is **70, 37.691, 217.024**.

Distribution



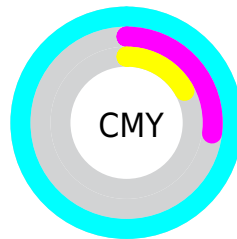
- Red (0%)
- Green (73%)
- Blue (83%)



- Red (0%)
- Yellow (39%)
- Blue (83%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (27%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 38.107, 219.190 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 69, 38.107, 219.190 by changing the saturation by 10% instead.

 69, 38.107,
219.190


 69, 38.107,
219.190


 100, 38.107,
219.190


 59, 38.107,
219.190


 89, 38.107,
219.190

 49, 38.107,
219.190

 99, 38.107,
219.190

 39, 38.107,
219.190

 29, 38.107,
219.190

 19, 38.107,
219.190

 9, 38.107, 219.190

 0, 38.107, 219.190

■ 69, 38.107,
219.190

■ 69, 38.107,
219.190

■ 69, 38.091,
219.200

■ 70, 37.691,
217.024

■ 71, 36.641,
215.221

■ 72, 34.743,
213.814

■ 73, 31.954,
212.753

■ 75, 28.296,
211.988

■ 77, 23.836,
211.468

■ 78, 18.668,
211.151

■ 80, 12.901,

211.003

■ 82, 6.644, 211.012

Harmonies

Complementary

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



69, 38.107, 219.190



45, 88.570, 41.446

Rectangle

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



69, 38.107, 219.190



69, 38.107, 269.190



69, 38.107, 39.190



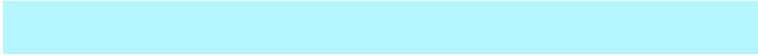
69, 38.107, 89.190

Sweetspot

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



69, 38.091, 219.200



93, 21.750, 211.159



74, 101.294, 137.019



49, 14.580, 211.274



0, 0.000, 0.000



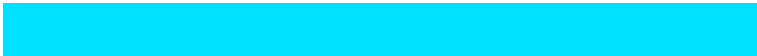
53, 0.007, 296.813

Same Dimension

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



69, 38.091, 219.200



82, 43.930, 219.484



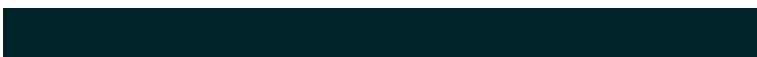
39, 78.724, 293.911



43, 3.750, 211.019



56, 32.234, 218.795



12, 12.515, 213.932

Inverse Universe

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



49, 90.843, 333.894



59, 104.727, 333.965



61, 71.627, 70.627



41, 7.068, 328.514



39, 76.915, 333.794



5, 28.301, 332.267

Previews

White Background



This preview shows how the CIE LCh color 69, 38.107, 219.190 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 69, 38.107, 219.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

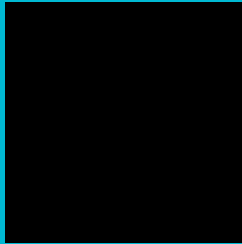
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 38.107, 219.190

Background



This preview shows how black text looks on a background with the CIELCh color 69, 38.107, 219.190.

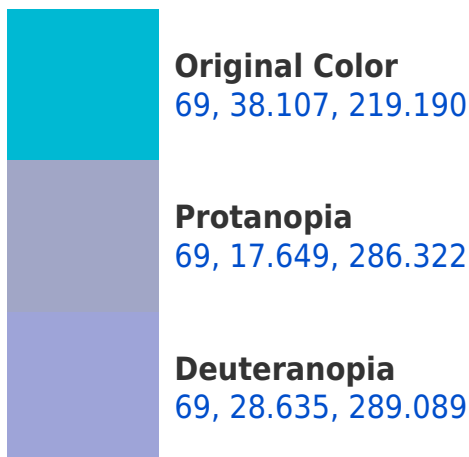


This preview shows how white text looks on a background with the CIELCh color 69, 38.107, 219.190.

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
69, 38.136, 209.306

Trichromacy



Original Color
69, 38.107, 219.190



Protanomaly
67, 26.270, 237.518



Deuteranomaly
67, 30.045, 249.344



Tritanomaly
69, 38.064, 212.861

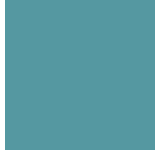
Monochromacy



Original Color
69, 38.107, 219.190



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 21.958, 211.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 38.107, 219.190 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, 185, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 211)  
}
```

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, 185, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 38.107, 219.190 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, 185, 211) }
```

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

```
.border{ border-color:rgb(0, 185, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 38.107, 219.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 211) }
```

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

```
.background{ background-color: rgb(0, 185,  
211) }
```

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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