

Converting Colors

CIELCh(69, 38.864, 228.893)

Have a look what the booklet for
CIELCh(69, 38.864, 228.893)
contains.

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Color

CIELCh(69, 38.803, 228.161)

Conversions

Conversions Part 1

Format	Color
Hex	04B8DC
RGB	4, 184, 220
RGB Percent	2%, 72%, 86%
CMY	0.9826, 0.2795, 0.1384
CMYK	0.98, 0.16, 0.00, 0.14
HSL	190°, 96%, 44%
HSV	190°, 98%, 86%
XYZ	30.0168, 39.3444, 73.5209
YIQ	134.2840, -118.8360, -26.9640

Conversions

Conversions Part 2

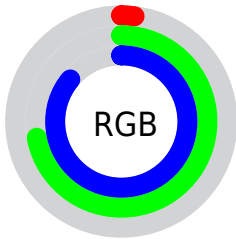
Format	Color
RYB	4, 102, 220
Decimal	309468
CIELab	69.00, -25.88, -28.91
CIELCh	69, 38.803, 228.161
Yxy	39.3444, 0.2101, 0.2754
Android (android.graphics.Color)	4278499548 (0xFF04B8DC)
YUV	134.2840, 42.2580, -114.2591
Hunter-Lab	62.7251, -24.3485, -25.5869

Details

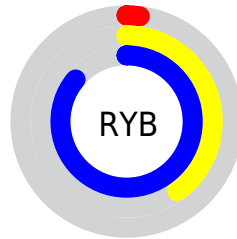
The CIELCh color **69, 38.803, 228.161** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **48, 88.770, 42.173**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 36.982, 209.548**, and **51, 31.791, 236.511** is the 20% darker color. If you saturate the color by 10%, you get **69, 38.916, 228.807**, and if you desaturate by 10%, it is **70, 38.112, 225.103**.

Distribution



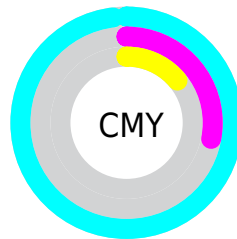
- Red (2%)
- Green (72%)
- Blue (86%)



- Red (2%)
- Yellow (40%)
- Blue (86%)



- Cyan (98%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)





- Cyan (98%)
- Magenta (28%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 38.803, 228.161 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, 38.803, 228.161 by changing the saturation by 10% instead.


 69, 38.803,
228.161


 69, 38.803,
228.161


 100, 38.803,
228.161


 59, 38.803,
228.161


 89, 38.803,
228.161

 49, 38.803,
228.161

 99, 38.803,
228.161

 39, 38.803,
228.161

 29, 38.803,
228.161

 19, 38.803,
228.161

 9, 38.803, 228.161

 0, 38.803, 228.161

69, 38.803,
228.161

69, 38.803,
228.161

69, 38.916,
228.807

70, 38.112,
225.103

72, 36.744,
222.592

73, 34.552,
220.604

75, 31.495,
219.072

77, 27.598,
217.921

79, 22.934,
217.083

81, 17.598,
216.499

83, 11.697,

216.123

■ 86, 5.338, 215.949

Harmonies

Complementary

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



69, 38.803, 228.161



48, 88.770, 42.173

Rectangle

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



69, 38.803, 228.161



69, 38.803, 278.161



69, 38.803, 48.161



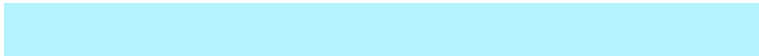
69, 38.803, 98.161

Sweetspot

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



69, 38.802, 228.161



92, 20.486, 216.560



77, 101.806, 137.981



48, 13.820, 216.795



0, 0.000, 0.000



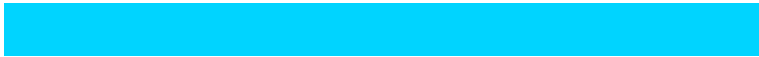
53, 0.007, 296.813

Same Dimension

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



69, 38.802, 228.161



79, 43.554, 229.116



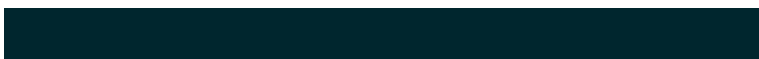
39, 86.539, 296.348



45, 3.779, 215.958



55, 32.609, 228.225



13, 13.150, 222.038

Inverse Universe

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



50, 90.368, 336.155



58, 101.180, 336.413



67, 73.195, 75.782



43, 7.127, 329.953



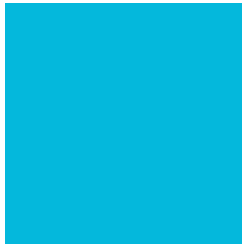
40, 76.010, 336.180



7, 30.723, 334.545

Previews

White Background



This preview shows how the CIE LCh color 69, 38.803, 228.161 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, 38.803, 228.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

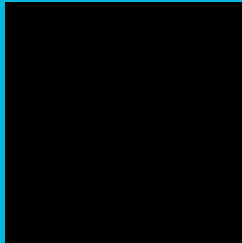
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 38.803, 228.161

Background



This preview shows how black text looks on a background with the CIELCh color 69, 38.803, 228.161.

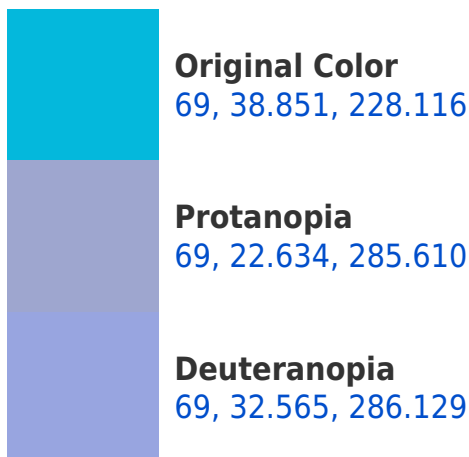


This preview shows how white text looks on a background with the CIELCh color 69, 38.803, 228.161.

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



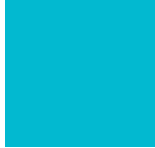
Original Color
69, 38.851, 228.116



Protanomaly
67, 29.196, 247.935



Deuteranomaly
68, 33.425, 254.677



Tritanomaly
69, 37.919, 216.554

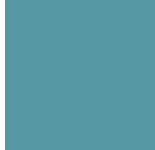
Monochromacy



Original Color
69, 38.851, 228.116



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 21.730, 217.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 38.803, 228.161 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(4, 184, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 184, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 38.803, 228.161 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, 220) }
```

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

```
.border{ border-color:rgb(4, 184, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 184, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 184, 220);  
box-shadow:4px 4px 4px 4px rgb(4, 184,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 38.803, 228.161 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, 220) }
```

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

```
.background{ background-color: rgb(4, 184,  
220) }
```

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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