

Converting Colors

CIELCh(65, 54.922, 217.980)

Have a look what the booklet for
CIELCh(65, 54.922, 217.980)
contains.

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Color

CIELCh(68, 38.567, 229.512)

Conversions

Conversions Part 1

Format	Color
Hex	04B5DA
RGB	4, 181, 218
RGB Percent	2%, 71%, 85%
CMY	0.9856, 0.2916, 0.1464
CMYK	0.98, 0.17, 0.00, 0.15
HSL	190°, 97%, 43%
HSV	190°, 98%, 85%
XYZ	29.1089, 37.9720, 71.8970
YIQ	132.2950, -117.3690, -26.0170

Conversions

Conversions Part 2

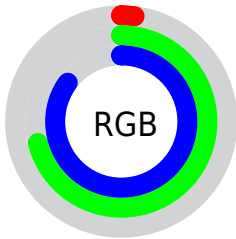
Format	Color
R_{YB}	4, 101, 218
Decimal	308698
CIE _{Lab}	68.00, -25.04, -29.33
CIE _{LCh}	68, 38.567, 229.512
Yxy	37.9720, 0.2094, 0.2732
Android (android.graphics.Color)	4278498778 (0xFF04B5DA)
YUV	132.2950, 42.2526, -112.5147
Hunter-Lab	61.6215, -23.5173, -26.0418

Details

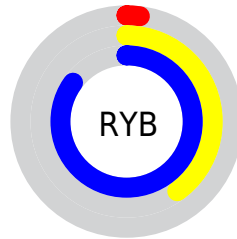
The CIELCh color **68, 38.567, 229.512** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **48, 88.152, 42.360**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 36.589, 212.316**, and **50, 31.666, 238.331** is the 20% darker color. If you saturate the color by 10%, you get **68, 38.670, 230.071**, and if you desaturate by 10%, it is **69, 37.849, 226.330**.

Distribution



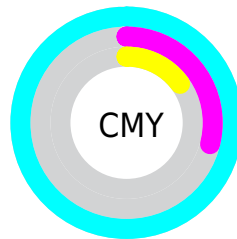
- Red (2%)
- Green (71%)
- Blue (85%)



- Red (2%)
- Yellow (40%)
- Blue (85%)



- Cyan (98%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)





- Cyan (99%)
- Magenta (29%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 38.567, 229.512 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, 38.567, 229.512 by changing the saturation by 10% instead.


 68, 38.567,
229.512

 68, 38.567,
229.512


 100, 38.567,
229.512


 58, 38.567,
229.512


 88, 38.567,
229.512

 48, 38.567,
229.512

 98, 38.567,
229.512

 38, 38.567,
229.512

 28, 38.567,
229.512

 18, 38.567,
229.512

 8, 38.567, 229.512

 0, 38.567, 229.512

■ 68, 38.567,
229.512

■ 68, 38.567,
229.512

■ 68, 38.670,
230.071

■ 69, 37.849,
226.330

■ 71, 36.485,
223.701

■ 72, 34.315,
221.615

■ 74, 31.298,
220.000

■ 76, 27.455,
218.780

■ 78, 22.854,
217.885

■ 80, 17.591,
217.253

■ 82, 11.768,

216.837

■ 85, 5.492, 216.624

Harmonies

Complementary

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



68, 38.567, 229.512



48, 88.152, 42.360

Rectangle

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



68, 38.567, 229.512



68, 38.567, 279.512



68, 38.567, 49.512



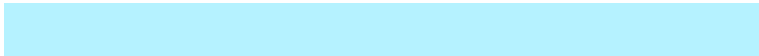
68, 38.567, 99.512

Sweetspot

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



68, 38.566, 229.512



92, 20.417, 217.303



76, 101.215, 137.948



48, 13.775, 217.556



0, 0.000, 0.000



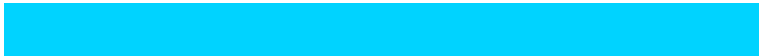
53, 0.007, 296.813

Same Dimension

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



68, 38.566, 229.512



78, 43.590, 230.413



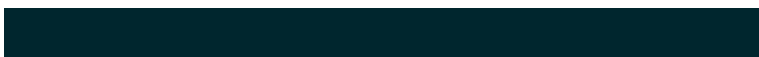
38, 86.194, 296.440



45, 3.765, 216.635



55, 32.624, 229.489



13, 13.131, 223.063

Inverse Universe

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



50, 89.366, 336.510



58, 100.726, 336.755



66, 72.765, 75.716



43, 7.098, 330.150



39, 75.676, 336.511



6, 30.597, 334.805

Previews

White Background



This preview shows how the CIE LCh color 68, 38.567, 229.512 looks on a white background.

Color Contrast Check

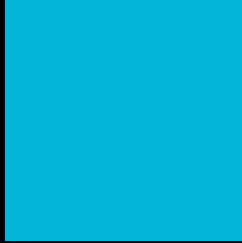
Large Text (above 18pt) WCAG AA × Fail

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, 38.567, 229.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

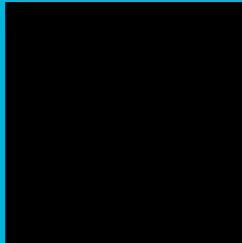
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 38.567, 229.512

Background



This preview shows how black text looks on a background with the CIELCh color 68, 38.567, 229.512.

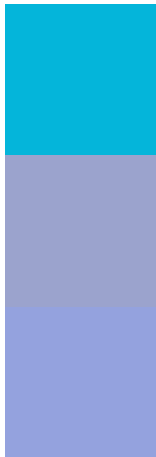


This preview shows how white text looks on a background with the CIELCh color 68, 38.567, 229.512.

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](#).

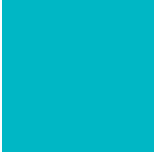
Dichromacy



Original Color
68, 38.601, 229.445

Protanopia
68, 23.253, 285.893

Deuteranopia
68, 33.243, 285.872



Tritanopia
68, 37.707, 208.609

Trichromacy



Original Color
68, 38.601, 229.445



Protanomaly
66, 29.418, 249.360



Deuteranomaly
67, 33.729, 255.919



Tritanomaly
68, 37.499, 216.853

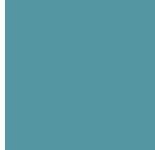
Monochromacy



Original Color
68, 38.601, 229.445



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 21.720, 217.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 38.567, 229.512 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, 181, 218)` looks like.

```
.text, #text, p{  
    color:rgb(4, 181, 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(4, 181, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 181, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 38.567, 229.512 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, 181, 218) }
```

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

```
.border{ border-color:rgb(4, 181, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 181, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 181, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 181, 218);  
box-shadow:4px 4px 4px 4px rgb(4, 181,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 38.567, 229.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 181, 218) }
```

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

```
.background{ background-color: rgb(4, 181,  
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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