

Converting Colors

CIELCh(69, 40.363, 236.133)

Have a look what the booklet for
CIELCh(69, 40.363, 236.133)
contains.

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Color

CIELCh(69, 40.288, 235.676)

Conversions

Conversions Part 1

Format	Color
Hex	02B7E4
RGB	2, 183, 228
RGB Percent	1%, 72%, 89%
CMY	0.9909, 0.2835, 0.1071
CMYK	0.99, 0.20, 0.00, 0.11
HSL	192°, 98%, 45%
HSV	192°, 99%, 89%
XYZ	30.8619, 39.3444, 79.1432
YIQ	134.0110, -122.3210, -24.3770

Conversions

Conversions Part 2

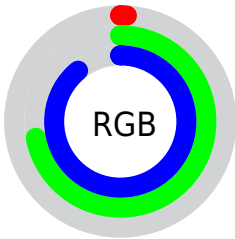
Format	Color
R_{YB}	2, 103, 228
Decimal	178148
CIE _{Lab}	69.00, -22.72, -33.27
CIE _{LCh}	69, 40.288, 235.676
Yxy	39.3444, 0.2066, 0.2634
Android (android.graphics.Color)	4278368228 (0xFF02B7E4)
YUV	134.0110, 46.3366, -115.7736
Hunter-Lab	62.7251, -21.9436, -30.9014

Details

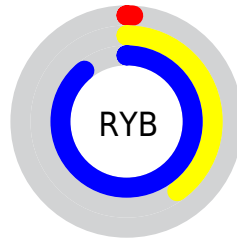
The CIELCh color **69, 40.288, 235.676** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **50, 90.805, 43.127**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 36.608, 210.562**, and **51, 33.801, 244.770** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.378, 236.066**, and if you desaturate by 10%, it is **70, 39.338, 231.930**.

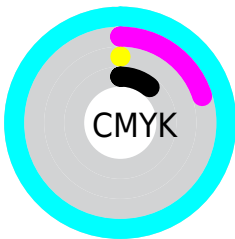
Distribution



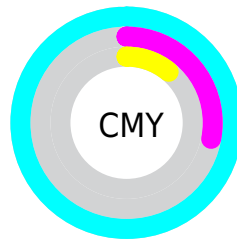
- Red (1%)
- Green (72%)
- Blue (89%)



- Red (1%)
- Yellow (40%)
- Blue (89%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)





- Cyan (99%)
- Magenta (28%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 40.288, 235.676 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, 40.288, 235.676 by changing the saturation by 10% instead.

 69, 40.288,
235.676

 69, 40.288,
235.676

 100, 40.288,
235.676


 59, 40.288,
235.676


 89, 40.288,
235.676

 49, 40.288,
235.676

 99, 40.288,
235.676

 39, 40.288,
235.676

 29, 40.288,
235.676

 19, 40.288,
235.676

 9, 40.288, 235.676

 0, 40.288, 235.676

■ 69, 40.288,
235.676

■ 69, 40.288,
235.676

■ 69, 40.378,
236.066

■ 70, 39.338,
231.930

■ 72, 37.812,
228.784

■ 74, 35.518,
226.255

■ 76, 32.394,
224.271

■ 78, 28.451,
222.745

■ 80, 23.749,
221.596

■ 83, 18.380,
220.752

■ 85, 12.449,

220.155

■ 88, 6.057, 219.782

Harmonies

Complementary

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



69, 40.288, 235.676



50, 90.805, 43.127

Rectangle

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



69, 40.288, 235.676



69, 40.288, 285.676



69, 40.288, 55.676



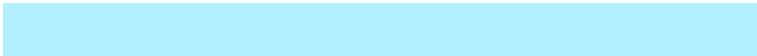
69, 40.288, 105.676

Sweetspot

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



69, 40.287, 235.676



91, 20.762, 220.839



79, 104.325, 138.140



47, 13.933, 221.178



0, 0.000, 0.000



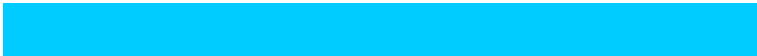
53, 0.007, 296.813

Same Dimension

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



69, 40.287, 235.676



76, 44.017, 236.342



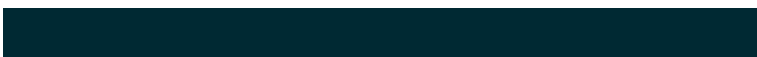
39, 92.447, 297.659



47, 3.849, 219.793



55, 33.604, 235.372



14, 13.983, 228.665

Inverse Universe

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



52, 90.636, 338.184



58, 98.701, 338.374



70, 75.580, 77.054



45, 7.231, 331.076



40, 75.772, 338.102



8, 32.531, 336.295

Previews

White Background



This preview shows how the CIE LCh color 69, 40.288, 235.676 looks on a white background.

Color Contrast Check

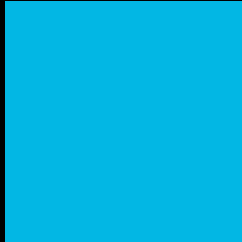
Large Text (above 18pt) WCAG AA × Fail

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, 40.288, 235.676 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, 40.288, 235.676

Background



This preview shows how black text looks on a background with the CIELCh color 69, 40.288, 235.676.

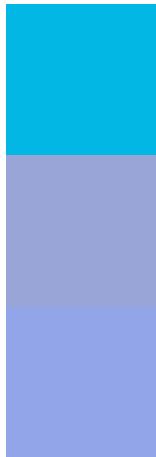


This preview shows how white text looks on a background with the CIELCh color 69, 40.288, 235.676.

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

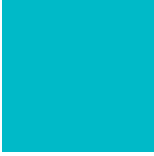
69, 40.330, 235.626

Protanopia

69, 27.637, 285.466

Deuteranopia

69, 37.069, 284.805



Tritanopia
69, 38.175, 208.421

Trichromacy



Original Color
69, 40.330, 235.626



Protanomaly
67, 32.803, 254.646



Deuteranomaly
67, 37.408, 259.831



Tritanomaly
69, 38.027, 218.320

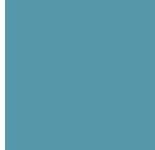
Monochromacy



Original Color
69, 40.330, 235.626



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 22.304, 221.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 40.288, 235.676 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, 183, 228)` looks like.

```
.text, #text, p{  
    color:rgb(2, 183, 228)  
}
```

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, 183, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 183, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 40.288, 235.676 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, 183, 228) }
```

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

```
.border{ border-color:rgb(2, 183, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 183, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 183, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 183, 228);  
box-shadow:4px 4px 4px 4px rgb(2, 183,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 40.288, 235.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 183, 228) }
```

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

```
.background{ background-color: rgb(2, 183,  
228) }
```

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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