

Converting Colors

CIELCh(70, 41.070, 235.895)

Have a look what the booklet for
CIELCh(70, 41.070, 235.895)
contains.

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Color

CIELCh(70, 40.929, 235.820)

Conversions

Conversions Part 1

Format	Color
Hex	00BAE8
RGB	0, 186, 232
RGB Percent	0%, 73%, 91%
CMY	1.0000, 0.2720, 0.0917
CMYK	1.00, 0.20, 0.00, 0.09
HSL	192°, 100%, 45%
HSV	192°, 100%, 91%
XYZ	31.9615, 40.7494, 82.2344
YIQ	135.6300, -125.6220, -25.1260

Conversions

Conversions Part 2

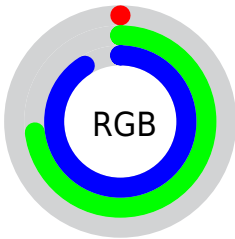
Format	Color
RYB	0, 103, 232
Decimal	47848
CIELab	70.00, -22.99, -33.86
CIELCh	70, 40.929, 235.820
Yxy	40.7494, 0.2063, 0.2630
Android (android.graphics.Color)	4278237928 (0xFF00BAE8)
YUV	135.6300, 47.5104, -118.9475
Hunter-Lab	63.8353, -22.3390, -31.6944

Details

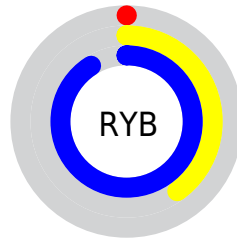
The CIELCh color **70, 40.929, 235.820** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **51, 92.767, 43.113**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 37.048, 207.826**, and **52, 34.401, 244.885** is the 20% darker color. If you saturate the color by 10%, you get **70, 40.882, 235.874**, and if you desaturate by 10%, it is **71, 39.965, 232.101**.

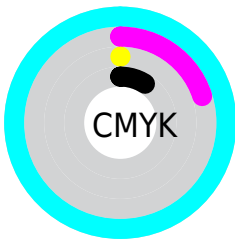
Distribution



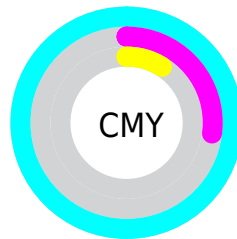
- Red (0%)
- Green (73%)
- Blue (91%)



- Red (0%)
- Yellow (40%)
- Blue (91%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (27%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 40.929, 235.820 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 70, 40.929, 235.820 by changing the saturation by 10% instead.


 70, 40.929,
235.820


 70, 40.929,
235.820


 100, 40.929,
235.820


 60, 40.929,
235.820


 90, 40.929,
235.820

 50, 40.929,
235.820

 40, 40.929,
235.820

 30, 40.929,
235.820

 20, 40.929,
235.820

 10, 40.929,
235.820

 0, 40.929, 235.820

70, 40.929,
235.820

70, 40.929,
235.820

70, 40.882,
235.874

71, 39.965,
232.101

73, 38.504,
228.899

75, 36.274,
226.319

77, 33.202,
224.291

79, 29.292,
222.730

81, 24.602,
221.553

84, 19.224,
220.686

86, 13.262,

220.072

■ 89, 6.822, 219.679

Harmonies

Complementary

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



70, 40.929, 235.820



51, 92.767, 43.113

Rectangle

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



70, 40.929, 235.820



70, 40.929, 285.820



70, 40.929, 55.820



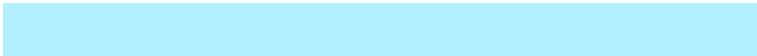
70, 40.929, 105.820

Sweetspot

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



70, 40.882, 235.874



91, 20.772, 220.698



81, 106.168, 137.998



47, 13.939, 221.033



0, 0.000, 0.000



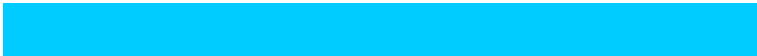
53, 0.007, 296.813

Same Dimension

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



70, 40.882, 235.874



76, 43.992, 236.105



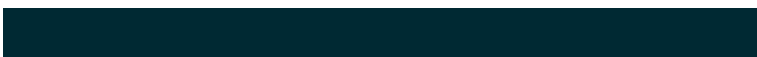
39, 94.756, 298.014



47, 3.851, 219.665



55, 33.587, 235.140



14, 13.982, 228.468

Inverse Universe

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



53, 91.921, 338.242



58, 98.781, 338.307



71, 76.814, 76.783



45, 7.237, 331.038



40, 75.832, 338.038



8, 32.554, 336.243

Previews

White Background



This preview shows how the CIE LCh color 70, 40.929, 235.820 looks on a white background.

Color Contrast Check

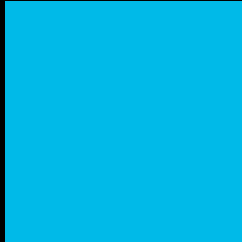
Large Text (above 18pt) WCAG AA × Fail

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 70, 40.929, 235.820 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 70, 40.929, 235.820

Background



This preview shows how black text looks on a background with the CIELCh color 70, 40.929, 235.820.

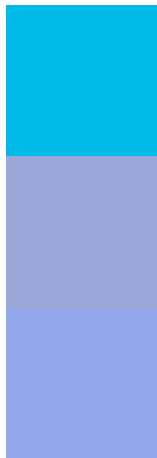


This preview shows how white text looks on a background with the CIELCh color 70, 40.929, 235.820.

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

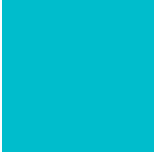
70, 40.929, 235.820

Protanopia

70, 27.549, 285.404

Deuteranopia

70, 37.524, 284.482



Tritanopia
70, 38.601, 209.110

Trichromacy



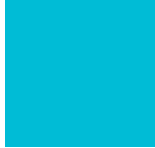
Original Color
70, 40.929, 235.820



Protanomaly
68, 33.022, 253.805



Deuteranomaly
68, 38.079, 259.398



Tritanomaly
70, 38.544, 218.847

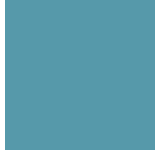
Monochromacy



Original Color
70, 40.929, 235.820



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 22.670, 223.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 40.929, 235.820 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, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 232)  
}
```

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, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 40.929, 235.820 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, 186, 232) }
```

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

```
.border{ border-color:rgb(0, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 40.929, 235.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 232) }
```

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

```
.background{ background-color: rgb(0, 186,  
232) }
```

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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