

Converting Colors

CIELCh(70, 40.799, 234.666)

Have a look what the booklet for
CIELCh(70, 40.799, 234.666)
contains.

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Color

CIELCh(70, 40.725, 235.042)

Conversions

Conversions Part 1

Format	Color
Hex	00BAE7
RGB	0, 186, 231
RGB Percent	0%, 73%, 91%
CMY	1.0000, 0.2716, 0.0952
CMYK	1.00, 0.19, 0.00, 0.10
HSL	192°, 100%, 45%
HSV	192°, 100%, 90%
XYZ	31.8676, 40.7494, 81.5826
YIQ	135.5160, -125.3010, -25.4370

Conversions

Conversions Part 2

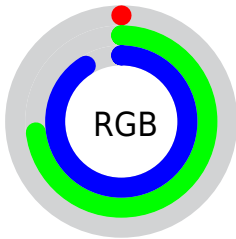
Format	Color
RYB	0, 103, 231
Decimal	47847
CIELab	70.00, -23.33, -33.38
CIELCh	70, 40.725, 235.042
Yxy	40.7494, 0.2067, 0.2643
Android (android.graphics.Color)	4278237927 (0xFF00BAE7)
YUV	135.5160, 47.0736, -118.8475
Hunter-Lab	63.8353, -22.6015, -31.0890

Details

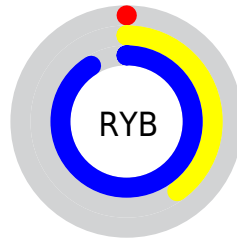
The CIELCh color **70, 40.725, 235.042** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **50, 92.625, 43.016**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 37.227, 207.765**, and **52, 34.104, 243.961** is the 20% darker color. If you saturate the color by 10%, you get **70, 40.692, 235.079**, and if you desaturate by 10%, it is **71, 39.814, 231.374**.

Distribution



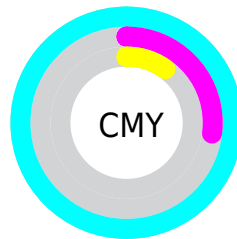
- Red (0%)
- Green (73%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (27%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 40.725, 235.042 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, 40.725, 235.042 by changing the saturation by 10% instead.


 70, 40.725,
235.042


 70, 40.725,
235.042


 100, 40.725,
235.042


 60, 40.725,
235.042


 90, 40.725,
235.042

 50, 40.725,
235.042

 40, 40.725,
235.042

 30, 40.725,
235.042

 20, 40.725,
235.042

 10, 40.725,
235.042

 0, 40.725, 235.042

■ 70, 40.725,
235.042

■ 70, 40.725,
235.042

■ 70, 40.692,
235.079

■ 71, 39.814,
231.374

■ 73, 38.386,
228.234

■ 75, 36.181,
225.708

■ 77, 33.129,
223.726

■ 79, 29.236,
222.202

■ 81, 24.561,
221.057

■ 84, 19.196,
220.217

■ 86, 13.244,

219.625

■ 89, 6.813, 219.252

Harmonies

Complementary

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



70, 40.725, 235.042



50, 92.625, 43.016

Rectangle

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



70, 40.725, 235.042



70, 40.725, 285.042



70, 40.725, 55.042



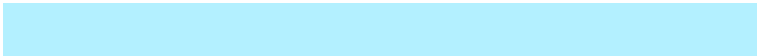
70, 40.725, 105.042

Sweetspot

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



70, 40.692, 235.079



91, 20.805, 220.228



80, 105.853, 138.002



48, 13.960, 220.553



0, 0.000, 0.000



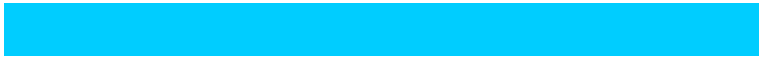
53, 0.007, 296.813

Same Dimension

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



70, 40.692, 235.079



77, 43.912, 235.316



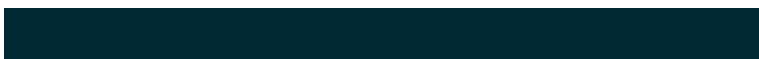
39, 94.461, 298.007



47, 3.858, 219.239



55, 33.534, 234.367



15, 13.980, 227.815

Inverse Universe

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



52, 91.903, 338.021



58, 99.046, 338.086



70, 76.593, 76.790



45, 7.255, 330.913



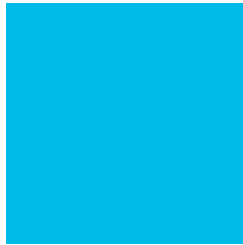
40, 76.032, 337.824



8, 32.629, 336.073

Previews

White Background



This preview shows how the CIE LCh color 70, 40.725, 235.042 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, 40.725, 235.042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

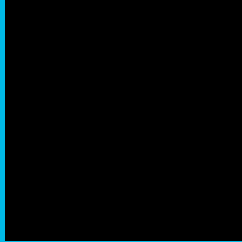
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 40.725, 235.042

Background



This preview shows how black text looks on a background with the CIELCh color 70, 40.725, 235.042.

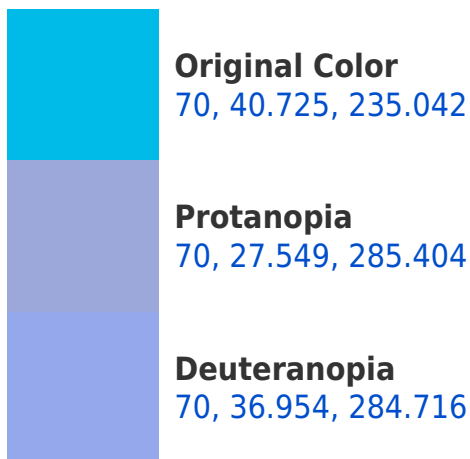


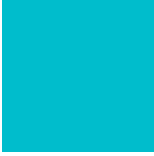
This preview shows how white text looks on a background with the CIELCh color 70, 40.725, 235.042.

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
70, 38.601, 209.110

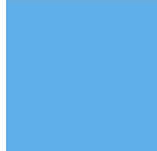
Trichromacy



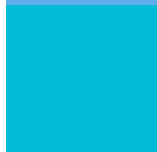
Original Color
70, 40.725, 235.042



Protanomaly
68, 33.022, 253.805



Deuteranomaly
68, 37.568, 259.058

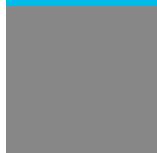


Tritanomaly
70, 38.544, 218.847

Monochromacy



Original Color
70, 40.725, 235.042



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, 40.725, 235.042 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 40.725, 235.042 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, 231) }
```

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

```
.border{ border-color:rgb(0, 186, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 40.725, 235.042 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, 231) }
```

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

```
.background{ background-color: rgb(0, 186,  
231) }
```

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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