

Converting Colors

CIELCh(71, 40.436, 232.219)

Have a look what the booklet for
CIELCh(71, 40.436, 232.219)
contains.

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Color

CIELCh(71, 40.440, 232.251)

Conversions

Conversions Part 1

Format	Color
Hex	04BDE7
RGB	4, 189, 231
RGB Percent	2%, 74%, 91%
CMY	0.9843, 0.2588, 0.0941
CMYK	0.98, 0.18, 0.00, 0.09
HSL	191°, 97%, 46%
HSV	191°, 98%, 91%
XYZ	32.6689, 42.1875, 82.0185
YIQ	138.4730, -123.7420, -26.1580

Conversions

Conversions Part 2

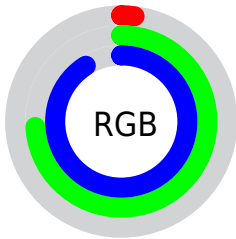
Format	Color
RYB	4, 106, 231
Decimal	310759
CIELab	71.00, -24.76, -31.98
CIELCh	71, 40.440, 232.251
Yxy	42.1875, 0.2082, 0.2689
Android (android.graphics.Color)	4278500839 (0xFF04BDE7)
YUV	138.4730, 45.6158, -117.9328
Hunter-Lab	64.9519, -23.8855, -29.4026

Details

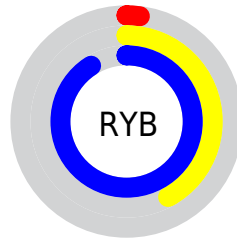
The CIELCh color **71, 40.440, 232.251** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **51, 91.876, 42.655**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 37.743, 205.124**, and **52, 33.751, 241.547** is the 20% darker color. If you saturate the color by 10%, you get **71, 40.565, 232.875**, and if you desaturate by 10%, it is **72, 39.606, 228.798**.

Distribution



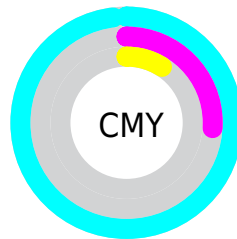
- Red (2%)
- Green (74%)
- Blue (91%)



- Red (2%)
- Yellow (42%)
- Blue (91%)



- Cyan (98%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)





- Cyan (98%)
- Magenta (26%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 40.440, 232.251 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 71, 40.440, 232.251 by changing the saturation by 10% instead.


 71, 40.440,
232.251


 71, 40.440,
232.251


 100, 40.440,
232.251


 61, 40.440,
232.251


 91, 40.440,
232.251

 51, 40.440,
232.251

 41, 40.440,
232.251

 31, 40.440,
232.251

 21, 40.440,
232.251

 11, 40.440,
232.251

 1, 40.440, 232.251

■ 0, 40.440, 232.251

■ 71, 40.440,
232.251

■ 71, 40.440,
232.251

■ 71, 40.565,
232.875

■ 72, 39.606,
228.798

■ 74, 38.120,
225.937

■ 76, 35.815,
223.655

■ 78, 32.640,
221.879

■ 80, 28.612,
220.528

■ 82, 23.802,
219.524

■ 84, 18.307,
218.802

■ 87, 12.233,
218.310

■ 89, 5.691, 218.033

Harmonies

Complementary

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



71, 40.440, 232.251



51, 91.876, 42.655

Rectangle

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



71, 40.440, 232.251



71, 40.440, 282.251



71, 40.440, 52.251



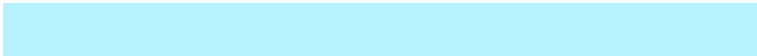
71, 40.440, 102.251

Sweetspot

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



71, 40.439, 232.251



92, 20.285, 218.857



80, 105.167, 138.222



48, 13.688, 219.145



0, 0.000, 0.000



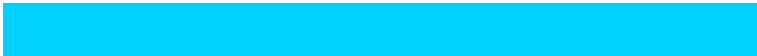
53, 0.007, 296.813

Same Dimension

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



71, 40.439, 232.251



77, 43.730, 233.098



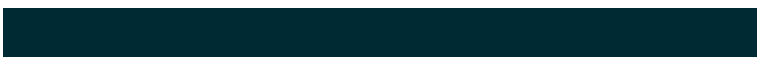
39, 92.813, 297.454



47, 3.880, 218.052



56, 33.417, 232.195



15, 13.984, 225.989

Inverse Universe

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



53, 92.588, 337.241



58, 99.800, 337.476



71, 76.231, 77.205



45, 7.306, 330.566



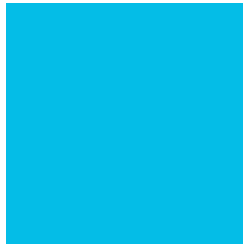
41, 76.600, 337.232



8, 32.841, 335.602

Previews

White Background



This preview shows how the CIE LCh color 71, 40.440, 232.251 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 71, 40.440, 232.251 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 71, 40.440, 232.251

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.440, 232.251.



This preview shows how white text looks on a background with the CIELCh color 71, 40.440, 232.251.

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

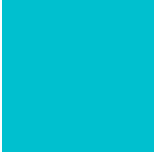
71, 40.440, 232.251

Protanopia

71, 25.814, 285.364

Deuteranopia

71, 35.707, 285.643



Tritanopia
71, 39.065, 208.919

Trichromacy



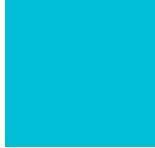
Original Color
71, 40.440, 232.251



Protanomaly
70, 31.504, 250.457



Deuteranomaly
69, 36.613, 257.862



Tritanomaly
71, 38.909, 217.668

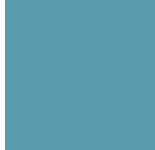
Monochromacy



Original Color
71, 40.440, 232.251



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 22.660, 219.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.440, 232.251 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, 189, 231)` looks like.

```
.text, #text, p{  
    color:rgb(4, 189, 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(4, 189, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 189, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.440, 232.251 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, 189, 231) }
```

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

```
.border{ border-color:rgb(4, 189, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 189, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 189, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 189, 231);  
box-shadow:4px 4px 4px 4px rgb(4, 189,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.440, 232.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 189, 231) }
```

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

```
.background{ background-color: rgb(4, 189,  
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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