

Converting Colors

CIELCh(70, 39.201, 226.131)

Have a look what the booklet for
CIELCh(70, 39.201, 226.131)
contains.

CIELCh(70, 39.092, 225.882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 39.092, 225.882)

Conversions

Conversions Part 1

Format	Color
Hex	00BBDD
RGB	0, 187, 221
RGB Percent	0%, 73%, 87%
CMY	1.0000, 0.2667, 0.1334
CMYK	1.00, 0.15, 0.00, 0.13
HSL	189°, 100%, 43%
HSV	189°, 100%, 87%
XYZ	30.8119, 40.7494, 74.6320
YIQ	134.9630, -122.3660, -29.0700

Conversions

Conversions Part 2

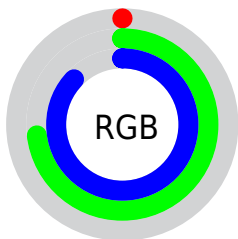
Format	Color
RYB	0, 101, 221
Decimal	48093
CIELab	70.00, -27.21, -28.06
CIELCh	70, 39.092, 225.882
Yxy	40.7494, 0.2108, 0.2787
Android (android.graphics.Color)	4278238173 (0xFF00BBDD)
YUV	134.9630, 42.4162, -118.3626
Hunter-Lab	63.8353, -25.5537, -24.6332

Details

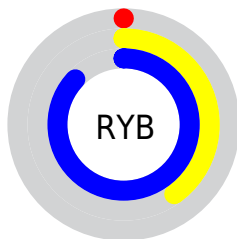
The CIELCh color **70, 39.092, 225.882** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **48, 90.951, 42.020**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 37.627, 206.800**, and **51, 31.819, 234.960** is the 20% darker color. If you saturate the color by 10%, you get **70, 39.089, 225.883**, and if you desaturate by 10%, it is **71, 38.561, 223.031**.

Distribution



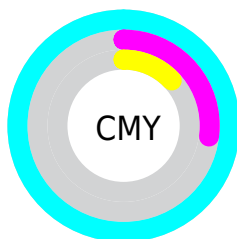
- Red (0%)
- Green (73%)
- Blue (87%)



- Red (0%)
- Yellow (40%)
- Blue (87%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (27%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 39.092, 225.882 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, 39.092, 225.882 by changing the saturation by 10% instead.


 70, 39.092,
225.882


 70, 39.092,
225.882


 100, 39.092,
225.882


 60, 39.092,
225.882


 90, 39.092,
225.882

 50, 39.092,
225.882

 40, 39.092,
225.882

 30, 39.092,
225.882

 20, 39.092,
225.882

 10, 39.092,
225.882

 0, 39.092, 225.882

■ 70, 39.092,
225.882

■ 70, 39.092,
225.882

■ 70, 39.089,
225.883

■ 71, 38.561,
223.031

■ 72, 37.406,
220.648

■ 74, 35.416,
218.763

■ 75, 32.537,
217.311

■ 77, 28.788,
216.227

■ 79, 24.233,
215.445

■ 81, 18.969,
214.910

■ 83, 13.103,

214.577

■ 86, 6.747, 214.427

Harmonies

Complementary

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



70, 39.092, 225.882



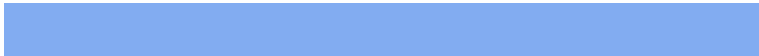
48, 90.951, 42.020

Rectangle

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



70, 39.092, 225.882



70, 39.092, 275.882



70, 39.092, 45.882



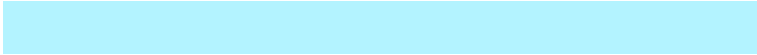
70, 39.092, 95.882

Sweetspot

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



70, 39.089, 225.883



92, 21.285, 214.920



77, 103.802, 137.461



48, 14.273, 215.122



0, 0.000, 0.000



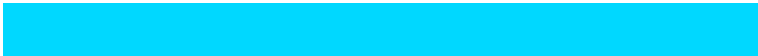
53, 0.007, 296.813

Same Dimension

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



70, 39.089, 225.883



80, 43.549, 226.154



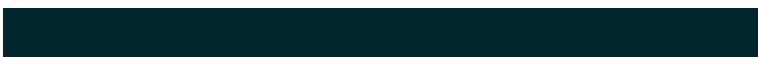
39, 86.524, 296.087



45, 3.812, 214.425



56, 32.627, 225.340



13, 13.207, 219.710

Inverse Universe

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



51, 91.842, 335.576



58, 102.236, 335.645



66, 74.038, 73.685



43, 7.195, 329.507



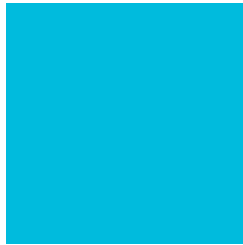
40, 76.786, 335.437



7, 31.015, 333.959

Previews

White Background



This preview shows how the CIE LCh color 70, 39.092, 225.882 looks on a white background.

Color Contrast Check

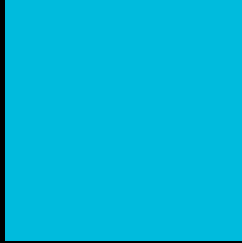
Large Text (above 18pt) WCAG AA × Fail

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, 39.092, 225.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

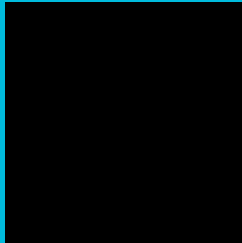
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 39.092, 225.882

Background



This preview shows how black text looks on a background with the CIELCh color 70, 39.092, 225.882.

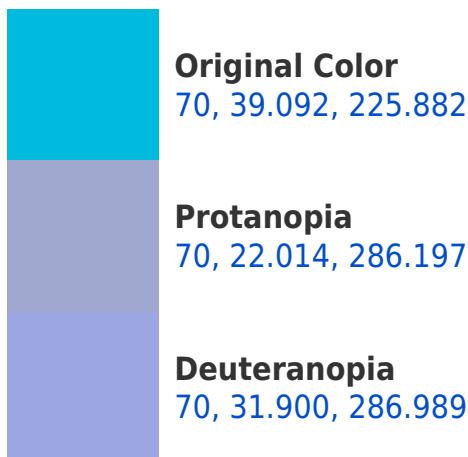


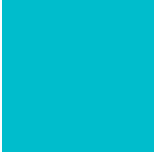
This preview shows how white text looks on a background with the CIELCh color 70, 39.092, 225.882.

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, 39.092, 225.882



Protanomaly
68, 28.973, 244.895



Deuteranomaly
68, 33.528, 254.228



Tritanomaly
70, 38.395, 215.337

Monochromacy



Original Color
70, 39.092, 225.882



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 22.365, 215.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 39.092, 225.882 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, 187, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 221)  
}
```

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, 187, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 39.092, 225.882 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, 187, 221) }
```

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

```
.border{ border-color:rgb(0, 187, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 39.092, 225.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 221) }
```

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

```
.background{ background-color: rgb(0, 187,  
221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor