

Converting Colors

CIELCh(70, 39.319, 227.562)

Have a look what the booklet for
CIELCh(70, 39.319, 227.562)
contains.

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Color

CIELCh(70, 39.344, 227.570)

Conversions

Conversions Part 1

Format	Color
Hex	00BBDF
RGB	0, 187, 223
RGB Percent	0%, 73%, 87%
CMY	1.0000, 0.2676, 0.1264
CMYK	1.00, 0.16, 0.00, 0.13
HSL	190°, 100%, 44%
HSV	190°, 100%, 87%
XYZ	30.9921, 40.7494, 75.8773
YIQ	135.1910, -123.0080, -28.4480

Conversions

Conversions Part 2

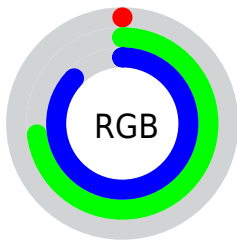
Format	Color
RYB	0, 102, 223
Decimal	48095
CIELab	70.00, -26.54, -29.04
CIELCh	70, 39.344, 227.570
Yxy	40.7494, 0.2099, 0.2760
Android (android.graphics.Color)	4278238175 (0xFF00BDF)
YUV	135.1910, 43.2898, -118.5625
Hunter-Lab	63.8353, -25.0496, -25.7899

Details

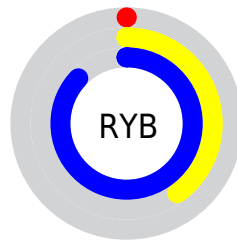
The CIELCh color **70, 39.344, 227.570** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **48, 91.278, 42.189**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 37.627, 206.800**, and **51, 32.263, 237.064** is the 20% darker color. If you saturate the color by 10%, you get **70, 39.312, 227.598**, and if you desaturate by 10%, it is **71, 38.735, 224.578**.

Distribution



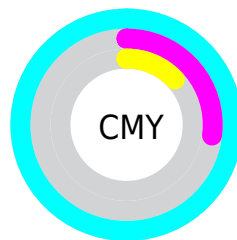
- Red (0%)
- Green (73%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 39.344, 227.570 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, 39.344, 227.570 by changing the saturation by 10% instead.


 70, 39.344,
227.570


 70, 39.344,
227.570


 100, 39.344,
227.570


 60, 39.344,
227.570


 90, 39.344,
227.570

 50, 39.344,
227.570

 40, 39.344,
227.570

 30, 39.344,
227.570

 20, 39.344,
227.570

 10, 39.344,
227.570

 0, 39.344, 227.570

■ 70, 39.344,
227.570

■ 70, 39.344,
227.570

■ 70, 39.312,
227.598

■ 71, 38.735,
224.578

■ 73, 37.541,
222.050

■ 74, 35.521,
220.043

■ 76, 32.619,
218.492

■ 77, 28.849,
217.326

■ 79, 24.278,
216.476

■ 82, 18.999,
215.885

■ 84, 13.122,

215.504

■ 86, 6.756, 215.313

Harmonies

Complementary

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



70, 39.344, 227.570



48, 91.278, 42.189

Rectangle

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



70, 39.344, 227.570



70, 39.344, 277.570



70, 39.344, 47.570



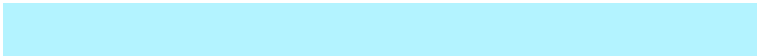
70, 39.344, 97.570

Sweetspot

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



70, 39.312, 227.598



92, 21.182, 215.896



78, 104.450, 137.455



48, 14.205, 216.121



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, 39.312, 227.598



79, 43.539, 227.866



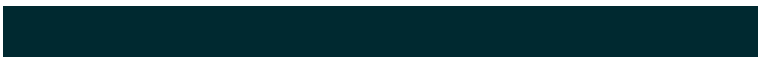
39, 87.094, 296.105



46, 3.864, 215.309



56, 32.962, 227.045



14, 13.610, 221.406

Inverse Universe

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



51, 91.845, 336.017



58, 101.622, 336.087



66, 74.488, 73.669



44, 7.292, 329.766



40, 77.155, 335.874



7, 32.207, 334.428

Previews

White Background



This preview shows how the CIE LCh color 70, 39.344, 227.570 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, 39.344, 227.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

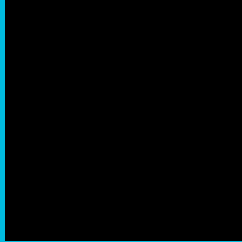
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 39.344, 227.570

Background



This preview shows how black text looks on a background with the CIELCh color 70, 39.344, 227.570.

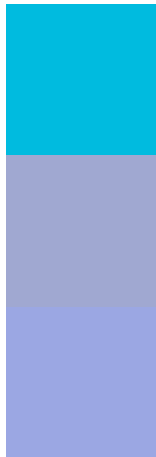


This preview shows how white text looks on a background with the CIELCh color 70, 39.344, 227.570.

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

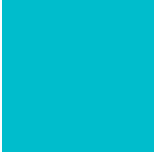
70, 39.344, 227.570

Protanopia

70, 22.586, 285.577

Deuteranopia

70, 33.007, 286.799



Tritanopia
70, 38.601, 209.110

Trichromacy



Original Color
70, 39.344, 227.570



Protanomaly
68, 29.299, 245.821



Deuteranomaly
68, 33.917, 254.944



Tritanomaly
70, 38.420, 216.216

Monochromacy



Original Color
70, 39.344, 227.570



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 22.443, 216.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 39.344, 227.570 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 39.344, 227.570 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, 223) }
```

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

```
.border{ border-color:rgb(0, 187, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 39.344, 227.570 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, 223) }
```

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

```
.background{ background-color: rgb(0, 187,  
223) }
```

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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