

Converting Colors

CIELCh(72, 40.451, 218.951)

Have a look what the booklet for
CIELCh(72, 40.451, 218.951)
contains.

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Color

CIELCh(72, 39.529, 219.888)

Conversions

Conversions Part 1

Format	Color
Hex	00C2DE
RGB	0, 194, 222
RGB Percent	0%, 76%, 87%
CMY	1.0000, 0.2407, 0.1309
CMYK	1.00, 0.13, 0.00, 0.13
HSL	188°, 100%, 43%
HSV	188°, 100%, 87%
XYZ	32.3169, 43.6590, 75.5670
YIQ	139.1860, -124.6120, -32.4200

Conversions

Conversions Part 2

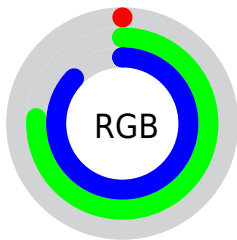
Format	Color
R_{YB}	0, 104, 222
Decimal	49886
CIE _{Lab}	72.00, -30.33, -25.35
CIE _{LCh}	72, 39.529, 219.888
Yxy	43.6590, 0.2133, 0.2881
Android (android.graphics.Color)	4278239966 (0xFF00C2DE)
YUV	139.1860, 40.8273, -122.0661
Hunter-Lab	66.0750, -28.3280, -21.5548

Details

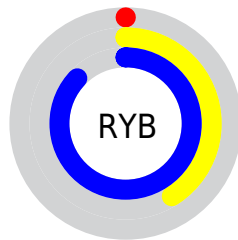
The CIELCh color **72, 39.529, 219.888** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **47, 91.927, 41.453**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 39.519, 200.037**, and **54, 31.714, 226.930** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.476, 219.923**, and if you desaturate by 10%, it is **73, 39.076, 217.659**.

Distribution



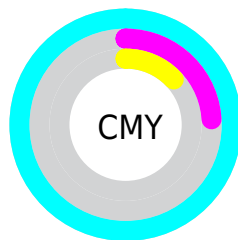
- Red (0%)
- Green (76%)
- Blue (87%)



- Red (0%)
- Yellow (41%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (24%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 39.529, 219.888 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 72, 39.529, 219.888 by changing the saturation by 10% instead.

 72, 39.529,
219.888

 72, 39.529,
219.888


 100, 39.529,
219.888

 62, 39.529,
219.888


 92, 39.529,
219.888

 52, 39.529,
219.888

 42, 39.529,
219.888

 32, 39.529,
219.888

 22, 39.529,
219.888

 12, 39.529,
219.888

 2, 39.529, 219.888

0, 39.529, 219.888

72, 39.529,
219.888

72, 39.529,
219.888

72, 39.476,
219.923

73, 39.076,
217.659

74, 38.000,
215.784

75, 36.043,
214.318

77, 33.160,
213.211

78, 29.372,
212.408

80, 24.747,
211.858

■ 82, 19.384,
211.518

■ 84, 13.397,
211.350

■ 86, 6.901, 211.343

Harmonies

Complementary

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



72, 39.529, 219.888



47, 91.927, 41.453

Rectangle

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



72, 39.529, 219.888



72, 39.529, 269.888



72, 39.529, 39.888



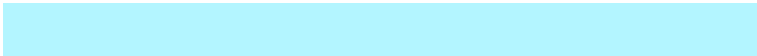
72, 39.529, 89.888

Sweetspot

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



72, 39.476, 219.923



93, 21.700, 211.524



77, 105.232, 136.985



48, 14.547, 211.647



0, 0.000, 0.000



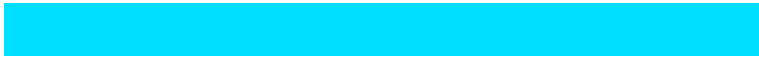
53, 0.007, 296.813

Same Dimension

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



72, 39.476, 219.923



82, 43.869, 220.134



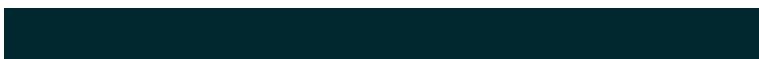
41, 81.983, 294.034



45, 3.890, 211.349



57, 32.900, 219.485



14, 13.385, 215.018

Inverse Universe

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



51, 94.045, 334.074



59, 104.476, 334.126



64, 74.360, 70.517



43, 7.335, 328.613



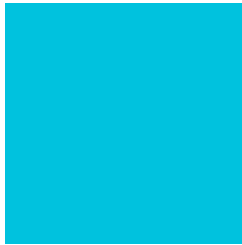
40, 78.430, 333.965



7, 31.627, 332.794

Previews

White Background



This preview shows how the CIE LCh color 72, 39.529, 219.888 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 72, 39.529, 219.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

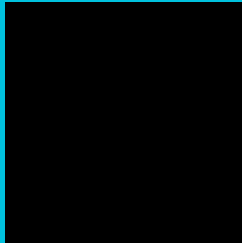
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 39.529, 219.888

Background



This preview shows how black text looks on a background with the CIELCh color 72, 39.529, 219.888.

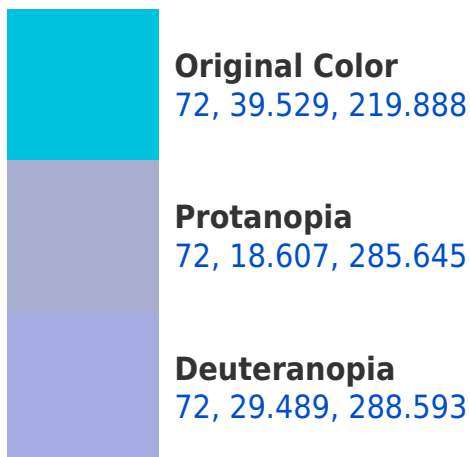


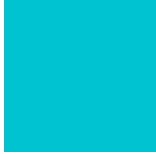
This preview shows how white text looks on a background with the CIELCh color 72, 39.529, 219.888.

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



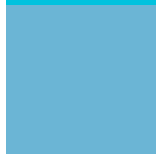


Tritanopia
72, 39.528, 208.734

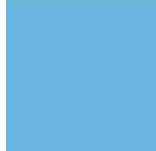
Trichromacy



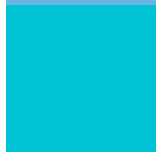
Original Color
72, 39.529, 219.888



Protanomaly
70, 27.350, 238.287

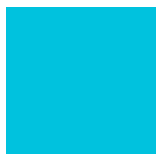


Deuteranomaly
70, 31.275, 249.197

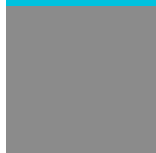


Tritanomaly
72, 39.432, 212.133

Monochromacy



Original Color
72, 39.529, 219.888



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 22.998, 211.844

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 39.529, 219.888 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, 194, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 222)  
}
```

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, 194, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 39.529, 219.888 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, 194, 222) }
```

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

```
.border{ border-color:rgb(0, 194, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 39.529, 219.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 222) }
```

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

```
.background{ background-color: rgb(0, 194,  
222) }
```

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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