

Converting Colors

CIELCh(71, 47.396, 217.072)

Have a look what the booklet for
CIELCh(71, 47.396, 217.072)
contains.

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Color

CIELCh(72, 39.752, 222.413)

Conversions

Conversions Part 1

Format	Color
Hex	00C1E0
RGB	0, 193, 224
RGB Percent	0%, 76%, 88%
CMY	1.0000, 0.2418, 0.1203
CMYK	1.00, 0.14, 0.00, 0.12
HSL	188°, 100%, 44%
HSV	188°, 100%, 88%
XYZ	32.5903, 43.6590, 77.4542
YIQ	138.8270, -124.9790, -31.2750

Conversions

Conversions Part 2

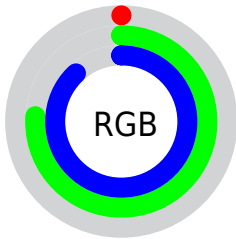
Format	Color
RYB	0, 104, 224
Decimal	49632
CIELab	72.00, -29.35, -26.81
CIELCh	72, 39.752, 222.413
Yxy	43.6590, 0.2120, 0.2840
Android (android.graphics.Color)	4278239712 (0xFF00C1E0)
YUV	138.8270, 41.9903, -121.7513
Hunter-Lab	66.0750, -27.5892, -23.2483

Details

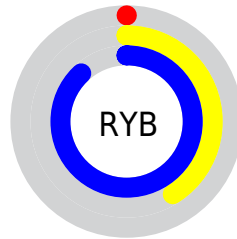
The CIELCh color **72, 39.752, 222.413** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **48, 92.464, 41.669**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 39.235, 200.845**, and **53, 32.030, 230.396** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.657, 222.483**, and if you desaturate by 10%, it is **73, 39.214, 219.958**.

Distribution



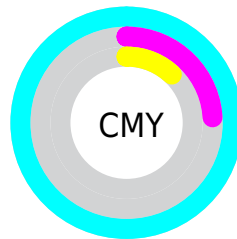
- Red (0%)
- Green (76%)
- Blue (88%)



- Red (0%)
- Yellow (41%)
- Blue (88%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (24%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 39.752, 222.413 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, 39.752, 222.413 by changing the saturation by 10% instead.


 72, 39.752,
222.413


 72, 39.752,
222.413


 100, 39.752,
222.413

 62, 39.752,
222.413


 92, 39.752,
222.413

 52, 39.752,
222.413

 42, 39.752,
222.413

 32, 39.752,
222.413

 22, 39.752,
222.413

 12, 39.752,
222.413

 2, 39.752, 222.413

0, 39.752, 222.413

72, 39.752,
222.413

72, 39.752,
222.413

72, 39.657,
222.483

73, 39.214,
219.958

74, 38.105,
217.861

76, 36.123,
216.212

77, 33.221,
214.955

79, 29.416,
214.031

80, 24.778,
213.381

■ 82, 19.405,
212.957

■ 85, 13.410,
212.719

■ 87, 6.906, 212.651

Harmonies

Complementary

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



72, 39.752, 222.413



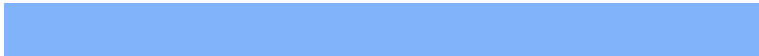
48, 92.464, 41.669

Rectangle

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



72, 39.752, 222.413



72, 39.752, 272.413



72, 39.752, 42.413



72, 39.752, 92.413

Sweetspot

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



72, 39.657, 222.483



92, 21.513, 212.964



78, 105.642, 137.200



48, 14.423, 213.121



0, 0.000, 0.000



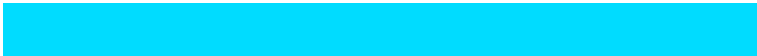
53, 0.007, 296.813

Same Dimension

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



72, 39.657, 222.483



81, 43.678, 222.696



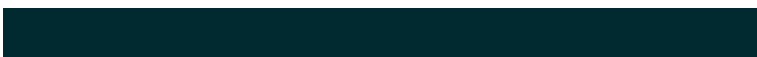
40, 85.195, 295.121



46, 3.929, 212.653



58, 33.099, 222.008



15, 13.738, 217.303

Inverse Universe

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



52, 94.020, 334.713



58, 103.505, 334.767



66, 74.926, 72.069



44, 7.414, 328.994



40, 78.554, 334.594



7, 32.726, 333.409

Previews

White Background



This preview shows how the CIE LCh color 72, 39.752, 222.413 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, 39.752, 222.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

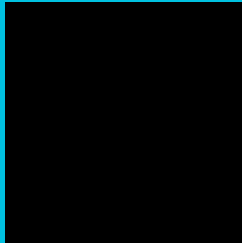
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 39.752, 222.413

Background



This preview shows how black text looks on a background with the CIELCh color 72, 39.752, 222.413.

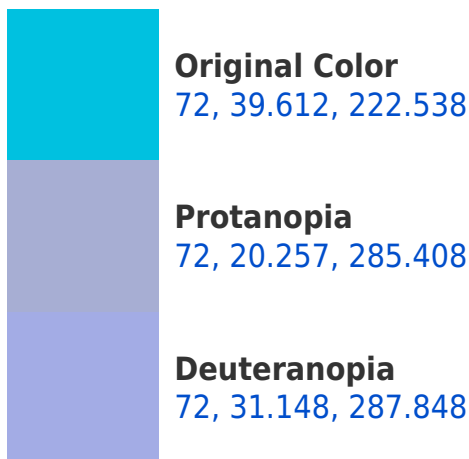


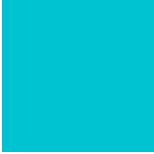
This preview shows how white text looks on a background with the CIELCh color 72, 39.752, 222.413.

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



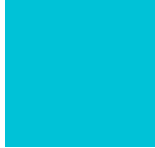
Original Color
72, 39.612, 222.538



Protanomaly
70, 28.367, 241.014



Deuteranomaly
70, 32.486, 251.268



Tritanomaly
72, 39.281, 213.922

Monochromacy



Original Color
72, 39.612, 222.538



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 23.042, 213.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 39.752, 222.413 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, 193, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 224)  
}
```

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, 193, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 39.752, 222.413 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, 193, 224) }
```

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

```
.border{ border-color:rgb(0, 193, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 39.752, 222.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 224) }
```

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

```
.background{ background-color: rgb(0, 193,  
224) }
```

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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