

Converting Colors

CIELCh(72, 39.257, 220.989)

Have a look what the booklet for
CIELCh(72, 39.257, 220.989)
contains.

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Color

CIELCh(72, 39.208, 221.024)

Conversions

Conversions Part 1

Format	Color
Hex	0CC1DE
RGB	12, 193, 222
RGB Percent	5%, 76%, 87%
CMY	0.9531, 0.2418, 0.1281
CMYK	0.95, 0.13, 0.00, 0.13
HSL	188°, 90%, 46%
HSV	188°, 95%, 87%
XYZ	32.5259, 43.6590, 76.0618
YIQ	142.1870, -117.1850, -29.3530

Conversions

Conversions Part 2

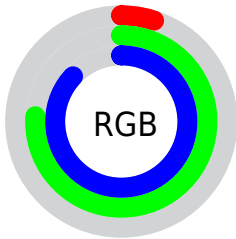
Format	Color
RYB	12, 109, 222
Decimal	836062
CIELab	72.00, -29.58, -25.74
CIELCh	72, 39.208, 221.024
Yxy	43.6590, 0.2136, 0.2868
Android (android.graphics.Color)	4279026142 (0xFF0CC1DE)
YUV	142.1870, 39.3478, -114.1740
Hunter-Lab	66.0750, -27.7634, -21.9988

Details

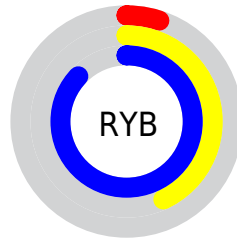
The CIELCh color **72, 39.208, 221.024** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **49, 88.351, 41.211**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 38.877, 200.901**, and **53, 31.715, 228.224** is the 20% darker color. If you saturate the color by 10%, you get **71, 39.398, 222.412**, and if you desaturate by 10%, it is **73, 38.463, 218.715**.

Distribution



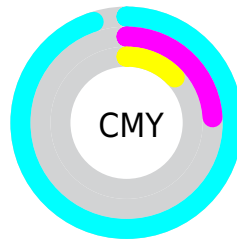
- Red (5%)
- Green (76%)
- Blue (87%)



- Red (5%)
- Yellow (43%)
- Blue (87%)



- Cyan (95%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)





- Cyan (95%)
- Magenta (24%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 39.208, 221.024 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, 39.208, 221.024 by changing the saturation by 10% instead.


 72, 39.208,
221.024


 72, 39.208,
221.024


 100, 39.208,
221.024


 62, 39.208,
221.024


 92, 39.208,
221.024

 52, 39.208,
221.024

 42, 39.208,
221.024

 32, 39.208,
221.024

 22, 39.208,
221.024

 12, 39.208,
221.024

 2, 39.208, 221.024

0, 39.208, 221.024

72, 39.208,
221.024

72, 39.208,
221.024

71, 39.398,
222.412

73, 38.463,
218.715

74, 36.904,
216.872

76, 34.443,
215.447

77, 31.070,
214.381

79, 26.834,
213.614

81, 21.821,
213.094

■ 83, 16.138,
212.777

■ 85, 9.899, 212.630

■ 87, 3.213, 212.710

Harmonies

Complementary

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



72, 39.208, 221.024



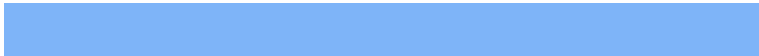
49, 88.351, 41.211

Rectangle

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



72, 39.208, 221.024



72, 39.208, 271.024



72, 39.208, 41.024



72, 39.208, 91.024

Sweetspot

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



72, 39.207, 221.024



93, 20.241, 212.870



78, 102.748, 137.790



49, 13.734, 213.014



0, 0.000, 0.000



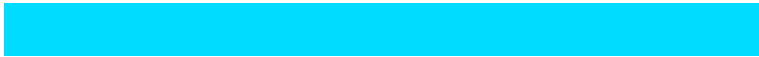
53, 0.007, 296.813

Same Dimension

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



72, 39.207, 221.024



81, 43.682, 222.640



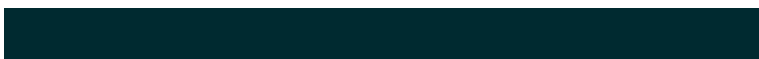
42, 79.651, 293.136



46, 3.929, 212.624



58, 33.102, 221.953



15, 13.740, 217.258

Inverse Universe

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



52, 92.962, 334.322



58, 103.526, 334.753



66, 72.846, 73.520



44, 7.415, 328.986



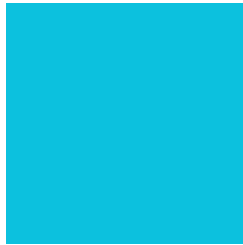
40, 78.569, 334.580



7, 32.732, 333.398

Previews

White Background



This preview shows how the CIE LCh color 72, 39.208, 221.024 looks on a white background.

Color Contrast Check

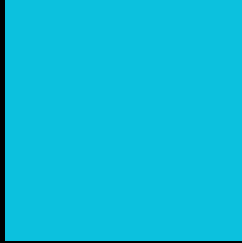
Large Text (above 18pt) WCAG AA × Fail

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, 39.208, 221.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

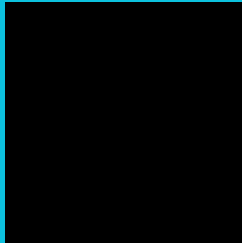
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 39.208, 221.024

Background



This preview shows how black text looks on a background with the CIELCh color 72, 39.208, 221.024.

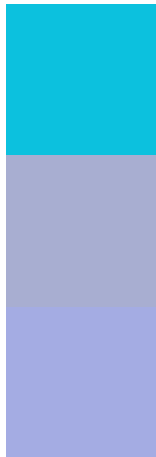


This preview shows how white text looks on a background with the CIELCh color 72, 39.208, 221.024.

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

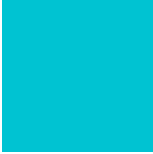
72, 39.156, 221.061

Protanopia

72, 19.147, 285.892

Deuteranopia

72, 30.048, 288.129



Tritanopia
72, 39.528, 208.734

Trichromacy



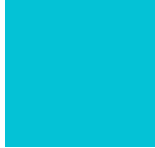
Original Color
72, 39.156, 221.061



Protanomaly
70, 26.918, 240.691



Deuteranomaly
70, 31.078, 251.331



Tritanomaly
72, 39.170, 213.119

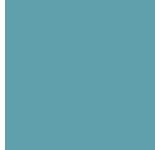
Monochromacy



Original Color
72, 39.156, 221.061



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 21.787, 212.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 39.208, 221.024 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(12, 193, 222)` looks like.

```
.text, #text, p{  
    color:rgb(12, 193, 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(12, 193, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 193, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 39.208, 221.024 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(12, 193, 222) }
```

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

```
.border{ border-color:rgb(12, 193, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 193, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 193, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 193, 222);  
box-shadow:4px 4px 4px 4px rgb(12, 193,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 39.208, 221.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 193, 222) }
```

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

```
.background{ background-color: rgb(12, 193,  
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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