

Converting Colors

CIELCh(68, 60.742, 217.069)

Have a look what the booklet for
CIELCh(68, 60.742, 217.069)
contains.

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Color

CIELCh(72, 40.292, 229.433)

Conversions

Conversions Part 1

Format	Color
Hex	08C0E7
RGB	8, 192, 231
RGB Percent	3%, 75%, 91%
CMY	0.9692, 0.2460, 0.0929
CMYK	0.97, 0.17, 0.00, 0.09
HSL	190°, 93%, 47%
HSV	190°, 97%, 91%
XYZ	33.4771, 43.6590, 82.5006
YIQ	141.4300, -122.1830, -26.8790

Conversions

Conversions Part 2

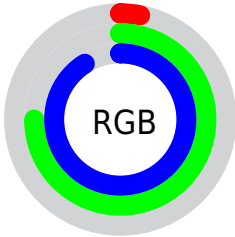
Format	Color
RYB	8, 109, 231
Decimal	573671
CIELab	72.00, -26.20, -30.61
CIELCh	72, 40.292, 229.433
Yxy	43.6590, 0.2097, 0.2735
Android (android.graphics.Color)	4278763751 (0xFF08C0E7)
YUV	141.4300, 44.1580, -117.0181
Hunter-Lab	66.0750, -25.1937, -27.7765

Details

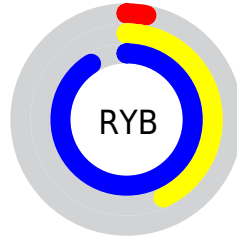
The CIELCh color **72, 40.292, 229.433** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **51, 91.234, 42.314**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 38.599, 201.730**, and **53, 33.327, 237.872** is the 20% darker color. If you saturate the color by 10%, you get **72, 40.499, 230.585**, and if you desaturate by 10%, it is **73, 39.465, 226.261**.

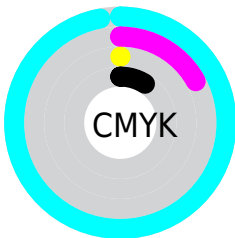
Distribution



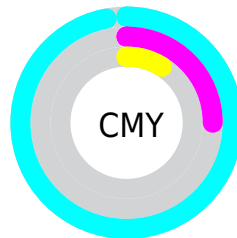
- Red (3%)
- Green (75%)
- Blue (91%)



- Red (3%)
- Yellow (43%)
- Blue (91%)



- Cyan (97%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)




- Cyan (97%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.292, 229.433 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, 40.292, 229.433 by changing the saturation by 10% instead.


 72, 40.292,
229.433


 72, 40.292,
229.433


 100, 40.292,
229.433


 62, 40.292,
229.433


 92, 40.292,
229.433

 52, 40.292,
229.433

 42, 40.292,
229.433

 32, 40.292,
229.433

 22, 40.292,
229.433

 12, 40.292,
229.433

 2, 40.292, 229.433

0, 40.292, 229.433

72, 40.292,
229.433

72, 40.292,
229.433

72, 40.499,
230.585

73, 39.465,
226.261

75, 37.909,
223.674

77, 35.497,
221.629

78, 32.193,
220.052

80, 28.029,
218.864

83, 23.083,
217.997

■ 85, 17.456,
217.388

■ 87, 11.260,
216.992

■ 90, 4.603, 216.815

Harmonies

Complementary

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



72, 40.292, 229.433



51, 91.234, 42.314

Rectangle

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



72, 40.292, 229.433



72, 40.292, 279.433



72, 40.292, 49.433



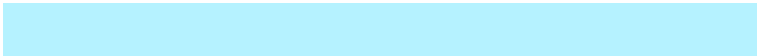
72, 40.292, 99.433

Sweetspot

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



72, 40.291, 229.433



92, 20.398, 217.521



81, 105.331, 138.116



48, 13.762, 217.779



0, 0.000, 0.000



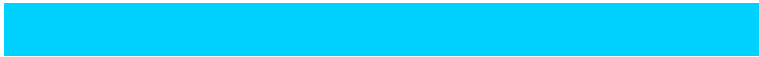
53, 0.007, 296.813

Same Dimension

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



72, 40.291, 229.433



78, 43.605, 230.792



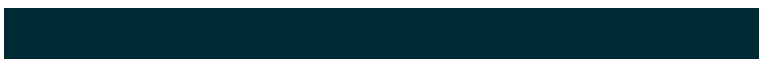
41, 88.893, 295.982



47, 3.904, 216.834



56, 33.342, 229.940



15, 14.002, 224.105

Inverse Universe

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



53, 93.318, 336.484



58, 100.594, 336.856



70, 75.777, 76.045



45, 7.360, 330.211



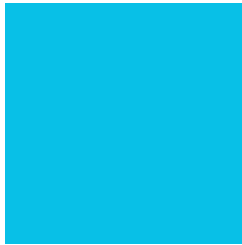
41, 77.198, 336.630



8, 33.064, 335.122

Previews

White Background



This preview shows how the CIE LCh color 72, 40.292, 229.433 looks on a white background.

Color Contrast Check

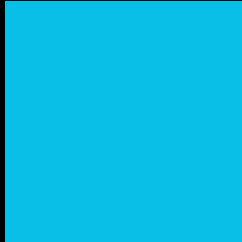
Large Text (above 18pt) WCAG AA × Fail

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, 40.292, 229.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

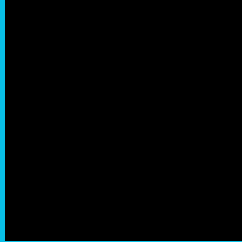
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 40.292, 229.433

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.292, 229.433.

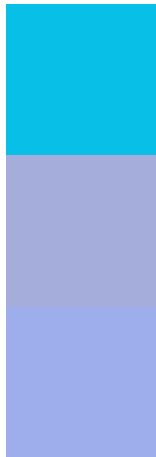


This preview shows how white text looks on a background with the CIELCh color 72, 40.292, 229.433.

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

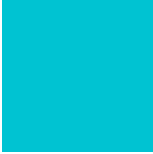
72, 40.245, 229.446

Protanopia

72, 24.624, 286.368

Deuteranopia

72, 34.498, 285.669



Tritanopia
72, 39.528, 208.734

Trichromacy



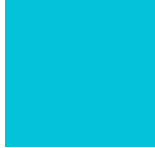
Original Color
72, 40.245, 229.446



Protanomaly
70, 30.496, 249.360



Deuteranomaly
71, 35.272, 255.988



Tritanomaly
72, 39.263, 216.532

Monochromacy



Original Color
72, 40.245, 229.446



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 22.334, 218.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.292, 229.433 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(8, 192, 231)` looks like.

```
.text, #text, p{  
    color:rgb(8, 192, 231)  
}
```

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(8, 192, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 192, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.292, 229.433 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(8, 192, 231) }
```

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

```
.border{ border-color:rgb(8, 192, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 192, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 192, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 192, 231);  
box-shadow:4px 4px 4px 4px rgb(8, 192,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.292, 229.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 192, 231) }
```

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

```
.background{ background-color: rgb(8, 192,  
231) }
```

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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