

Converting Colors

CIELCh(72, 40.698, 229.914)

Have a look what the booklet for
CIELCh(72, 40.698, 229.914)
contains.

CIELCh(72, 40.572, 230.083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 40.572, 230.083)

Conversions

Conversions Part 1

Format	Color
Hex	02C0E8
RGB	2, 192, 232
RGB Percent	1%, 75%, 91%
CMY	0.9938, 0.2461, 0.0892
CMYK	0.99, 0.17, 0.00, 0.09
HSL	190°, 99%, 46%
HSV	190°, 99%, 91%
XYZ	33.5252, 43.6590, 83.1949
YIQ	139.7500, -126.0800, -27.8400

Conversions

Conversions Part 2

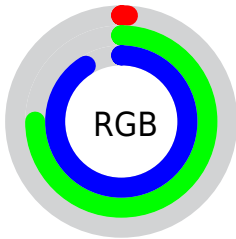
Format	Color
R _Y B	2, 106, 232
Decimal	180456
CIE Lab	72.00, -26.03, -31.12
CIE LCh	72, 40.572, 230.083
Yxy	43.6590, 0.2090, 0.2722
Android (android.graphics.Color)	4278370536 (0xFF02C0E8)
YUV	139.7500, 45.4793, -120.8067
Hunter-Lab	66.0750, -25.0636, -28.3995

Details

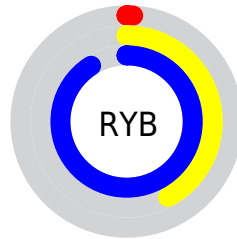
The CIELCh color **72, 40.572, 230.083** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **50, 93.400, 42.380**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 38.599, 201.730**, and **53, 33.569, 238.857** is the 20% darker color. If you saturate the color by 10%, you get **72, 40.613, 230.313**, and if you desaturate by 10%, it is **73, 39.878, 226.815**.

Distribution



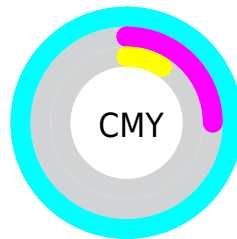
- Red (1%)
- Green (75%)
- Blue (91%)



- Red (1%)
- Yellow (42%)
- Blue (91%)



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)





- Cyan (99%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.572, 230.083 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, 40.572, 230.083 by changing the saturation by 10% instead.


 72, 40.572,
230.083


 72, 40.572,
230.083


 100, 40.572,
230.083


 62, 40.572,
230.083


 92, 40.572,
230.083

 52, 40.572,
230.083

 42, 40.572,
230.083

 32, 40.572,
230.083

 22, 40.572,
230.083

 12, 40.572,
230.083

 2, 40.572, 230.083

■ 0, 40.572, 230.083

■ 72, 40.572,
230.083

■ 72, 40.572,
230.083

■ 72, 40.613,
230.313

■ 73, 39.878,
226.815

■ 75, 38.542,
224.093

■ 76, 36.368,
221.925

■ 78, 33.298,
220.243

■ 80, 29.350,
218.970

■ 82, 24.591,
218.033

■ 85, 19.117,
217.368

■ 87, 13.041,
216.925

■ 90, 6.473, 216.684

Harmonies

Complementary

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



72, 40.572, 230.083



50, 93.400, 42.380

Rectangle

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



72, 40.572, 230.083



72, 40.572, 280.083



72, 40.572, 50.083



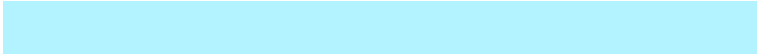
72, 40.572, 100.083

Sweetspot

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



72, 40.571, 230.083



92, 21.035, 217.414



81, 106.876, 137.774



48, 14.109, 217.675



0, 0.000, 0.000



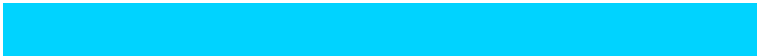
53, 0.007, 296.813

Same Dimension

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



72, 40.571, 230.083



78, 43.594, 230.509



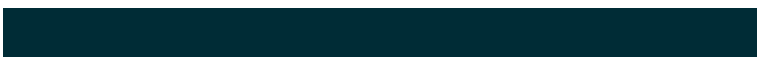
40, 91.877, 296.912



48, 3.978, 216.686



57, 33.690, 229.703



16, 14.438, 224.202

Inverse Universe

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



53, 93.847, 336.665



58, 100.692, 336.781



70, 76.704, 75.353



46, 7.501, 330.169



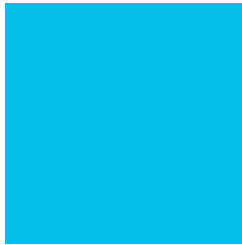
41, 78.080, 336.568



9, 34.089, 335.147

Previews

White Background



This preview shows how the CIE LCh color 72, 40.572, 230.083 looks on a white background.

Color Contrast Check

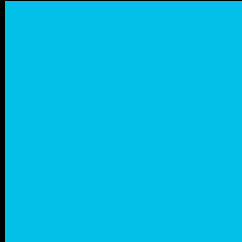
Large Text (above 18pt) WCAG AA × Fail

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, 40.572, 230.083 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, 40.572, 230.083

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.572, 230.083.

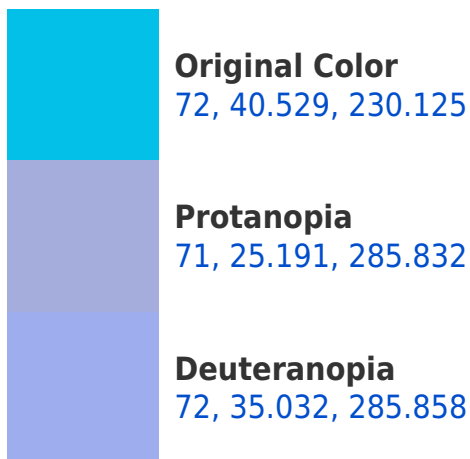


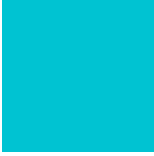
This preview shows how white text looks on a background with the CIELCh color 72, 40.572, 230.083.

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



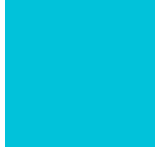
Original Color
72, 40.529, 230.125



Protanomaly
70, 31.275, 249.197



Deuteranomaly
70, 35.891, 256.078



Tritanomaly
72, 39.314, 216.502

Monochromacy



Original Color
72, 40.529, 230.125



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 22.899, 219.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.572, 230.083 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(2, 192, 232)` looks like.

```
.text, #text, p{  
    color:rgb(2, 192, 232)  
}
```

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(2, 192, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 192, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.572, 230.083 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(2, 192, 232) }
```

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

```
.border{ border-color:rgb(2, 192, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 192, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 192, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 192, 232);  
box-shadow:4px 4px 4px 4px rgb(2, 192,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.572, 230.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 192, 232) }
```

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

```
.background{ background-color: rgb(2, 192,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor