

Converting Colors

CIELCh(76, 42.221, 227.977)

Have a look what the booklet for
CIELCh(76, 42.221, 227.977)
contains.

CIELCh(76, 42.112, 228.306)	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(76, 42.112, 228.306)

Conversions

Conversions Part 1

Format	Color
Hex	02CCF4
RGB	2, 204, 244
RGB Percent	1%, 80%, 96%
CMY	0.9922, 0.1988, 0.0420
CMYK	0.99, 0.16, 0.00, 0.04
HSL	190°, 98%, 48%
HSV	190°, 99%, 96%
XYZ	38.0614, 49.8872, 93.4510
YIQ	148.1620, -133.2320, -30.3840

Conversions

Conversions Part 2

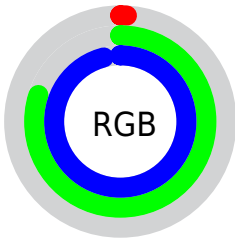
Format	Color
RYB	2, 112, 244
Decimal	183540
CIELab	76.00, -28.01, -31.45
CIELCh	76, 42.112, 228.306
Yxy	49.8872, 0.2098, 0.2750
Android (android.graphics.Color)	4278373620 (0xFF02CCF4)
YUV	148.1620, 47.2481, -128.1841
Hunter-Lab	70.6309, -27.4143, -29.0043

Details

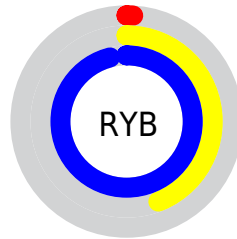
The CIELCh color **76, 42.112, 228.306** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 97.338, 42.115**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **58, 34.981, 236.084** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.155, 228.570**, and if you desaturate by 10%, it is **77, 41.474, 225.186**.

Distribution



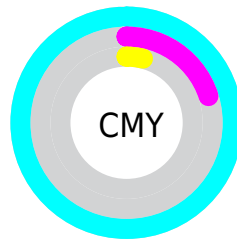
- Red (1%)
- Green (80%)
- Blue (96%)



- Red (1%)
- Yellow (44%)
- Blue (96%)



- Cyan (99%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)





- Cyan (99%)
- Magenta (20%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.112, 228.306 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 76, 42.112, 228.306 by changing the saturation by 10% instead.


 76, 42.112,
228.306


 76, 42.112,
228.306


 100, 42.112,
228.306


 66, 42.112,
228.306


 96, 42.112,
228.306

 56, 42.112,
228.306

 46, 42.112,
228.306

 36, 42.112,
228.306

 26, 42.112,
228.306

 16, 42.112,
228.306

 6, 42.112, 228.306

■ 0, 42.112, 228.306

■ 76, 42.112,
228.306

■ 76, 42.112,
228.306

■ 76, 42.155,
228.570

■ 77, 41.474,
225.186

■ 79, 40.138,
222.600

■ 80, 37.910,
220.549

■ 82, 34.731,
218.966

■ 84, 30.621,
217.775

■ 86, 25.651,
216.907

■ 89, 19.927,
216.302

■ 91, 13.565,
215.911

■ 94, 6.684, 215.716

Harmonies

Complementary

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



76, 42.112, 228.306



53, 97.338, 42.115

Rectangle

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



76, 42.112, 228.306



76, 42.112, 278.306



76, 42.112, 48.306



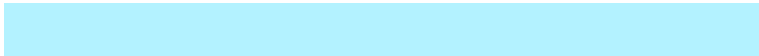
76, 42.112, 98.306

Sweetspot

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



76, 42.111, 228.306



92, 21.137, 216.346



85, 111.836, 137.471



48, 14.175, 216.582



0, 0.000, 0.000



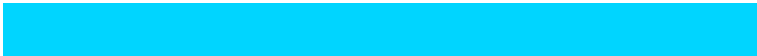
53, 0.007, 296.813

Same Dimension

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



76, 42.111, 228.306



79, 43.547, 228.653



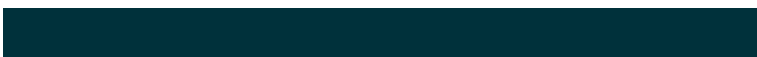
43, 93.071, 296.025



50, 4.140, 215.718



59, 34.370, 227.959



18, 15.320, 223.232

Inverse Universe

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



56, 98.092, 336.198



58, 101.343, 336.292



72, 79.634, 73.708



48, 7.814, 329.890



43, 80.194, 336.111



10, 36.257, 334.902

Previews

White Background



This preview shows how the CIE LCh color 76, 42.112, 228.306 looks on a white background.

Color Contrast Check

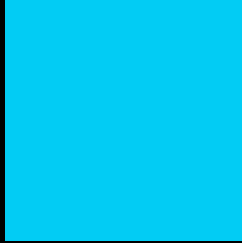
Large Text (above 18pt) WCAG AA × Fail

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 76, 42.112, 228.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

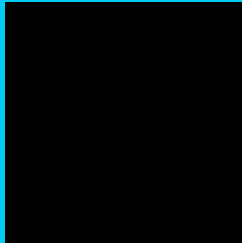
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 42.112, 228.306

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.112, 228.306.

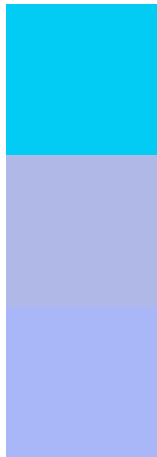


This preview shows how white text looks on a background with the CIELCh color 76, 42.112, 228.306.

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

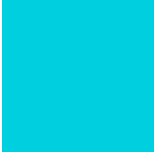
76, 42.071, 228.342

Protanopia

76, 24.913, 285.652

Deuteranopia

76, 35.716, 286.460



Tritanopia
76, 41.328, 208.845

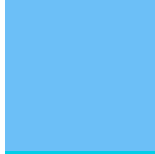
Trichromacy



Original Color
76, 42.071, 228.342



Protanomaly
74, 31.799, 247.287



Deuteranomaly
74, 36.638, 254.862



Tritanomaly
76, 41.110, 216.190

Monochromacy



Original Color
76, 42.071, 228.342



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 23.859, 218.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.112, 228.306 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, 204, 244)` looks like.

```
.text, #text, p{  
    color:rgb(2, 204, 244)  
}
```

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, 204, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 204, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.112, 228.306 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, 204, 244) }
```

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

```
.border{ border-color:rgb(2, 204, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 204, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 204, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 204, 244);  
box-shadow:4px 4px 4px 4px rgb(2, 204,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.112, 228.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 204, 244) }
```

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

```
.background{ background-color: rgb(2, 204,  
244) }
```

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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