

Converting Colors

CIELCh(76, 42.835, 232.014)

Have a look what the booklet for
CIELCh(76, 42.835, 232.014)
contains.

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Color

CIELCh(76, 42.886, 232.085)

Conversions

Conversions Part 1

Format	Color
Hex	00CCF9
RGB	0, 204, 249
RGB Percent	0%, 80%, 98%
CMY	1.0000, 0.2009, 0.0245
CMYK	1.00, 0.18, 0.00, 0.02
HSL	191°, 100%, 49%
HSV	191°, 100%, 98%
XYZ	38.5774, 49.8872, 97.0184
YIQ	148.1340, -136.0290, -29.2530

Conversions

Conversions Part 2

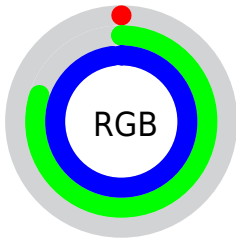
Format	Color
RYB	0, 112, 249
Decimal	52473
CIELab	76.00, -26.35, -33.83
CIELCh	76, 42.886, 232.085
Yxy	49.8872, 0.2080, 0.2690
Android (android.graphics.Color)	4278242553 (0xFF00CCF9)
YUV	148.1340, 49.7269, -129.9135
Hunter-Lab	70.6309, -26.1104, -31.9989

Details

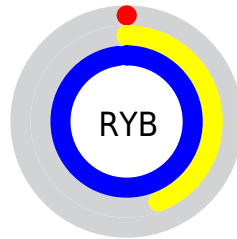
The CIELCh color **76, 42.886, 232.085** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 98.709, 42.539**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **58, 35.919, 239.759** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.856, 232.114**, and if you desaturate by 10%, it is **77, 42.105, 228.632**.

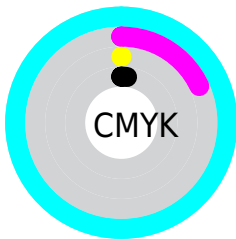
Distribution



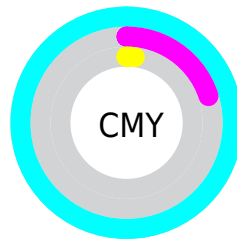
- Red (0%)
- Green (80%)
- Blue (98%)



- Red (0%)
- Yellow (44%)
- Blue (98%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (20%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.886, 232.085 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, 42.886, 232.085 by changing the saturation by 10% instead.


 76, 42.886,
232.085


 76, 42.886,
232.085


 100, 42.886,
232.085


 66, 42.886,
232.085


 96, 42.886,
232.085

 56, 42.886,
232.085

 46, 42.886,
232.085

 36, 42.886,
232.085

 26, 42.886,
232.085

 16, 42.886,
232.085

 6, 42.886, 232.085

■ 0, 42.886, 232.085

■ 76, 42.886,
232.085

■ 76, 42.886,
232.085

■ 76, 42.856,
232.114

■ 77, 42.105,
228.632

■ 79, 40.724,
225.706

■ 81, 38.482,
223.365

■ 83, 35.307,
221.539

■ 85, 31.209,
220.149

■ 87, 26.251,
219.117

■ 90, 20.537,
218.374

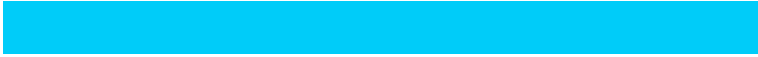
■ 92, 14.180,
217.867

■ 95, 7.299, 217.568

Harmonies

Complementary

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



76, 42.886, 232.085



54, 98.709, 42.539

Rectangle

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



76, 42.886, 232.085



76, 42.886, 282.085



76, 42.886, 52.085



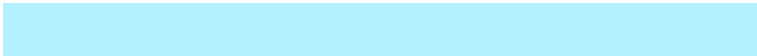
76, 42.886, 102.085

Sweetspot

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



76, 42.856, 232.114



92, 20.950, 218.376



86, 113.016, 137.642



48, 14.054, 218.659



0, 0.000, 0.000



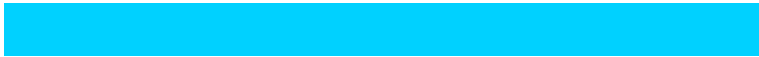
53, 0.007, 296.813

Same Dimension

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



76, 42.856, 232.114



78, 43.671, 232.166



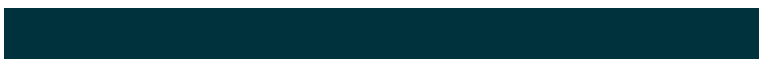
43, 97.868, 297.273



51, 4.170, 217.560



59, 34.794, 231.440



19, 15.711, 226.460

Inverse Universe

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



57, 98.273, 337.210



58, 100.119, 337.224



74, 80.976, 75.062



49, 7.859, 330.427



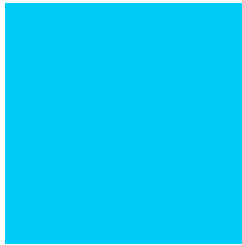
43, 80.037, 337.029



11, 36.846, 335.724

Previews

White Background



This preview shows how the CIE LCh color 76, 42.886, 232.085 looks on a white background.

Color Contrast Check

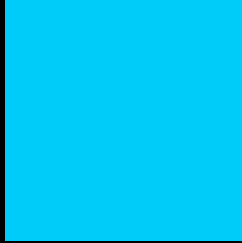
Large Text (above 18pt) WCAG AA × Fail

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, 42.886, 232.085 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, 42.886, 232.085

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.886, 232.085.



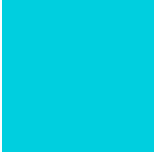
This preview shows how white text looks on a background with the CIELCh color 76, 42.886, 232.085.

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
76, 41.328, 208.845

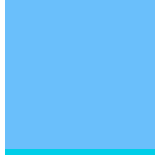
Trichromacy



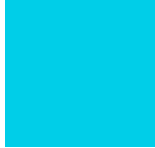
Original Color
76, 42.886, 232.085



Protanomaly
74, 33.316, 250.124



Deuteranomaly
74, 38.411, 256.833



Tritanomaly
76, 41.166, 216.984

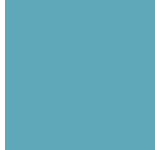
Monochromacy



Original Color
76, 42.886, 232.085



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 24.300, 220.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.886, 232.085 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, 204, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 249)  
}
```

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, 204, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.886, 232.085 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, 204, 249) }
```

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

```
.border{ border-color:rgb(0, 204, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.886, 232.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 249) }
```

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

```
.background{ background-color: rgb(0, 204,  
249) }
```

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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