

Converting Colors

CIELCh(77, 42.489, 226.464)

Have a look what the booklet for
CIELCh(77, 42.489, 226.464)
contains.

CIELCh(77, 42.379, 226.226)	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(77, 42.379, 226.226)

Conversions

Conversions Part 1

Format	Color
Hex	00D0F6
RGB	0, 208, 246
RGB Percent	0%, 82%, 96%
CMY	1.0000, 0.1858, 0.0369
CMYK	1.00, 0.15, 0.00, 0.04
HSL	189°, 100%, 48%
HSV	189°, 100%, 96%
XYZ	38.9994, 51.5317, 94.7543
YIQ	150.1400, -136.1660, -32.2780

Conversions

Conversions Part 2

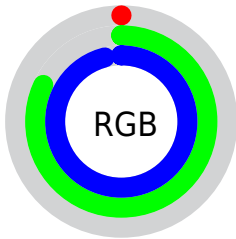
Format	Color
RYB	0, 113, 246
Decimal	53494
CIELab	77.00, -29.32, -30.60
CIELCh	77, 42.379, 226.226
Yxy	51.5317, 0.2105, 0.2781
Android (android.graphics.Color)	4278243574 (0xFF00D0F6)
YUV	150.1400, 47.2590, -131.6728
Hunter-Lab	71.7856, -28.6501, -28.0107

Details

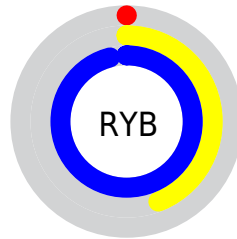
The CIELCh color **77, 42.379, 226.226** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 98.634, 41.925**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **59, 35.137, 234.500** is the 20% darker color. If you saturate the color by 10%, you get **77, 42.325, 226.268**, and if you desaturate by 10%, it is **78, 41.796, 223.339**.

Distribution



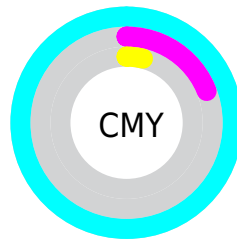
- Red (0%)
- Green (82%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (19%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.379, 226.226 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 77, 42.379, 226.226 by changing the saturation by 10% instead.

 77, 42.379,
226.226

 77, 42.379,
226.226


 100, 42.379,
226.226


 67, 42.379,
226.226


 97, 42.379,
226.226

 57, 42.379,
226.226

 47, 42.379,
226.226

 37, 42.379,
226.226

 27, 42.379,
226.226

 17, 42.379,
226.226

 7, 42.379, 226.226

■ 0, 42.379, 226.226

■ 77, 42.379,
226.226

■ 77, 42.379,
226.226

■ 77, 42.325,
226.268

■ 78, 41.796,
223.339

■ 80, 40.577,
220.900

■ 81, 38.450,
218.968

■ 83, 35.351,
217.482

■ 85, 31.297,
216.371

■ 87, 26.359,
215.570

■ 89, 20.641,
215.021

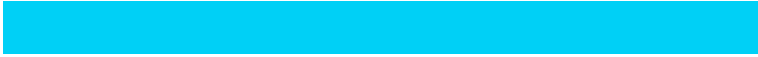
■ 91, 14.262,
214.678

■ 94, 7.345, 214.521

Harmonies

Complementary

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



77, 42.379, 226.226



53, 98.634, 41.925

Rectangle

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



77, 42.379, 226.226



77, 42.379, 276.226



77, 42.379, 46.226



77, 42.379, 96.226

Sweetspot

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



77, 42.325, 226.268



92, 21.274, 215.023



85, 112.629, 137.382



48, 14.265, 215.228



0, 0.000, 0.000



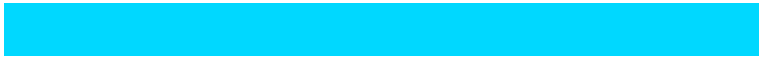
53, 0.007, 296.813

Same Dimension

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



77, 42.325, 226.268



80, 43.546, 226.336



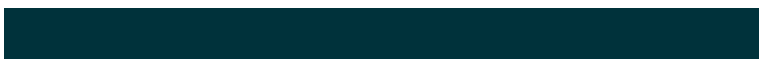
43, 94.301, 296.313



50, 4.169, 214.519



60, 34.384, 225.689



18, 15.363, 221.298

Inverse Universe

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



56, 99.327, 335.674



58, 102.170, 335.692



73, 80.183, 73.484



48, 7.871, 329.542



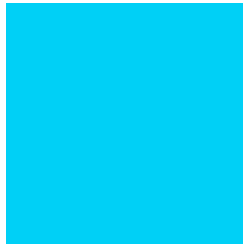
43, 80.837, 335.526



10, 36.512, 334.416

Previews

White Background



This preview shows how the CIE LCh color 77, 42.379, 226.226 looks on a white background.

Color Contrast Check

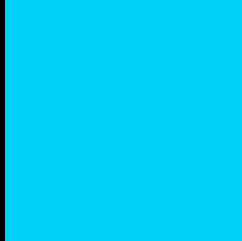
Large Text (above 18pt) WCAG AA × Fail

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 77, 42.379, 226.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

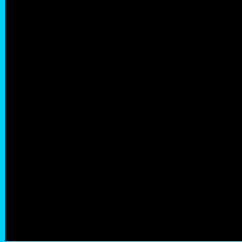
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.379, 226.226

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.379, 226.226.

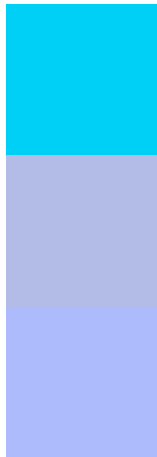


This preview shows how white text looks on a background with the CIELCh color 77, 42.379, 226.226.

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

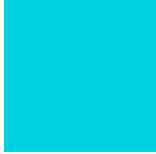
77, 42.379, 226.226

Protanopia

77, 23.748, 285.951

Deuteranopia

77, 35.057, 286.716



Tritanopia
77, 41.784, 208.674

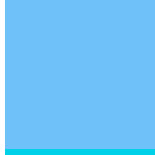
Trichromacy



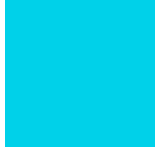
Original Color
77, 42.379, 226.226



Protanomaly
75, 31.286, 245.151



Deuteranomaly
75, 36.353, 253.739



Tritanomaly
77, 41.551, 215.108

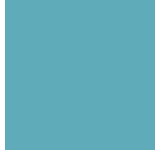
Monochromacy



Original Color
77, 42.379, 226.226



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.471, 216.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.379, 226.226 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, 208, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 246)  
}
```

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, 208, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.379, 226.226 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, 208, 246) }
```

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

```
.border{ border-color:rgb(0, 208, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.379, 226.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 246) }
```

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

```
.background{ background-color: rgb(0, 208,  
246) }
```

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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