

Converting Colors

CIELCh(76, 46.862, 225.116)

Have a look what the booklet for
CIELCh(76, 46.862, 225.116)
contains.

CIELCh(77, 42.500, 227.888)	3
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Color

CIELCh(77, 42.500, 227.888)

Conversions

Conversions Part 1

Format	Color
Hex	02CFF7
RGB	2, 207, 247
RGB Percent	1%, 81%, 97%
CMY	0.9912, 0.1870, 0.0301
CMYK	0.99, 0.16, 0.00, 0.03
HSL	190°, 98%, 49%
HSV	190°, 99%, 97%
XYZ	39.2578, 51.5317, 96.1414
YIQ	150.2650, -135.0200, -31.0200

Conversions

Conversions Part 2

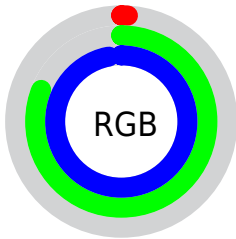
Format	Color
R _Y B	2, 114, 247
Decimal	184311
CIE Lab	77.00, -28.50, -31.53
CIE LCh	77, 42.500, 227.888
Yxy	51.5317, 0.2100, 0.2757
Android (android.graphics.Color)	4278374391 (0xFF02CFF7)
YUV	150.2650, 47.6904, -130.0284
Hunter-Lab	71.7856, -28.0076, -29.1563

Details

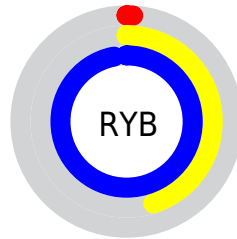
The CIELCh color **77, 42.500, 227.888** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 98.280, 42.053**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **58, 35.440, 236.581** is the 20% darker color. If you saturate the color by 10%, you get **77, 42.546, 228.178**, and if you desaturate by 10%, it is **78, 41.872, 224.803**.

Distribution



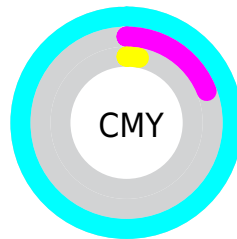
- Red (1%)
- Green (81%)
- Blue (97%)



- Red (1%)
- Yellow (45%)
- Blue (97%)



- Cyan (99%)
- Magenta (16%)
- Yellow (0%)
- Black (3%)





- Cyan (99%)
- Magenta (19%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 42.500, 227.888 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, 42.500, 227.888 by changing the saturation by 10% instead.

 77, 42.500,
227.888

 77, 42.500,
227.888

 100, 42.500,
227.888


 67, 42.500,
227.888

 97, 42.500,
227.888

 57, 42.500,
227.888

 47, 42.500,
227.888

 37, 42.500,
227.888

 27, 42.500,
227.888

 17, 42.500,
227.888

 7, 42.500, 227.888

■ 0, 42.500, 227.888

■ 77, 42.500,
227.888

■ 77, 42.500,
227.888

■ 77, 42.546,
228.178

■ 78, 41.872,
224.803

■ 80, 40.530,
222.252

■ 81, 38.281,
220.231

■ 83, 35.069,
218.672

■ 85, 30.912,
217.502

■ 87, 25.885,
216.651

■ 90, 20.094,
216.061

■ 92, 13.658,
215.682

■ 95, 6.696, 215.499

Harmonies

Complementary

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



77, 42.500, 227.888



54, 98.280, 42.053

Rectangle

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



77, 42.500, 227.888



77, 42.500, 277.888



77, 42.500, 47.888



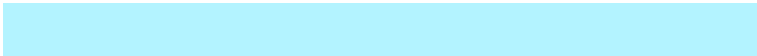
77, 42.500, 97.888

Sweetspot

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



77, 42.499, 227.888



92, 21.161, 216.107



85, 112.873, 137.472



48, 14.191, 216.337



0, 0.000, 0.000



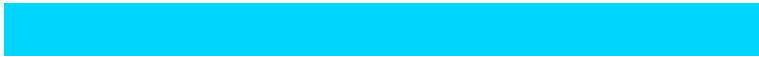
53, 0.007, 296.813

Same Dimension

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



77, 42.499, 227.888



79, 43.542, 228.236



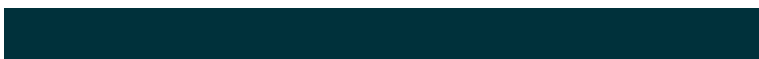
44, 93.919, 296.019



50, 4.145, 215.501



59, 34.369, 227.550



18, 15.326, 222.883

Inverse Universe

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



56, 99.144, 336.089



58, 101.491, 336.183



73, 80.360, 73.710



48, 7.824, 329.827



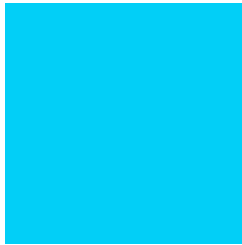
43, 80.309, 336.005



10, 36.303, 334.814

Previews

White Background



This preview shows how the CIE LCh color 77, 42.500, 227.888 looks on a white background.

Color Contrast Check

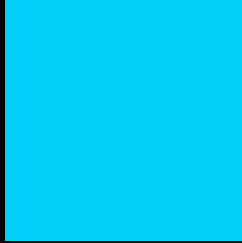
Large Text (above 18pt) WCAG AA × Fail

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, 42.500, 227.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

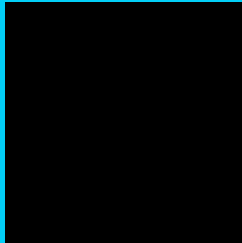
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.500, 227.888

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.500, 227.888.

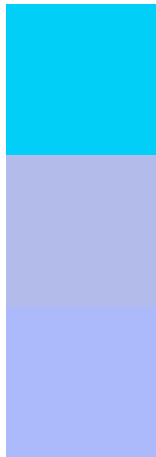


This preview shows how white text looks on a background with the CIELCh color 77, 42.500, 227.888.

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

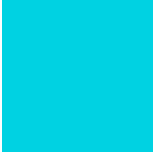
77, 42.460, 227.923

Protanopia

77, 24.840, 285.607

Deuteranopia

77, 35.614, 286.394

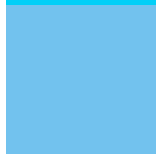


Tritanopia
77, 41.784, 208.674

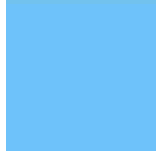
Trichromacy



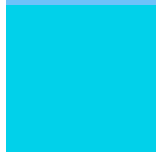
Original Color
77, 42.460, 227.923



Protanomaly
75, 31.934, 246.813



Deuteranomaly
75, 36.730, 254.393

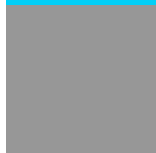


Tritanomaly
77, 41.550, 215.917

Monochromacy



Original Color
77, 42.460, 227.923



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.104, 218.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.500, 227.888 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, 207, 247)` looks like.

```
.text, #text, p{  
    color:rgb(2, 207, 247)  
}
```

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, 207, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 207, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.500, 227.888 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, 207, 247) }
```

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

```
.border{ border-color:rgb(2, 207, 247) }
```

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

Here you see how a box with a 4 pixel rgb(2, 207, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 207, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 207, 247);  
box-shadow:4px 4px 4px 4px rgb(2, 207,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.500, 227.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 207, 247) }
```

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

```
.background{ background-color: rgb(2, 207,  
247) }
```

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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