

Converting Colors

CIELCh(77, 41.966, 223.641)

Have a look what the booklet for
CIELCh(77, 41.966, 223.641)
contains.

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Color

CIELCh(77, 42.011, 223.940)

Conversions

Conversions Part 1

Format	Color
Hex	01D0F3
RGB	1, 208, 243
RGB Percent	0%, 82%, 95%
CMY	0.9947, 0.1847, 0.0475
CMYK	0.99, 0.14, 0.00, 0.05
HSL	189°, 99%, 48%
HSV	189°, 99%, 95%
XYZ	38.7066, 51.5317, 92.6133
YIQ	150.0970, -134.6070, -32.9990

Conversions

Conversions Part 2

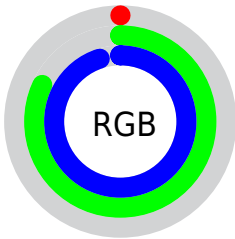
Format	Color
R _Y B	1, 113, 243
Decimal	119027
CIE Lab	77.00, -30.25, -29.15
CIE LCh	77, 42.011, 223.940
Yxy	51.5317, 0.2117, 0.2818
Android (android.graphics.Color)	4278309107 (0xFF01D0F3)
YUV	150.0970, 45.8012, -130.7581
Hunter-Lab	71.7856, -29.3783, -26.2423

Details

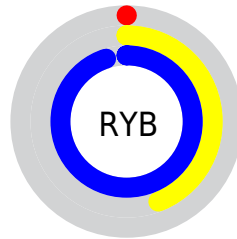
The CIELCh color **77, 42.011, 223.940** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 97.735, 41.675**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **58, 34.568, 231.625** is the 20% darker color. If you saturate the color by 10%, you get **77, 42.031, 224.094**, and if you desaturate by 10%, it is **78, 41.520, 221.244**.

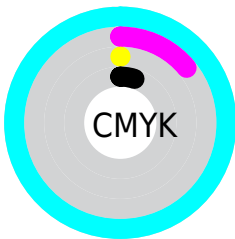
Distribution



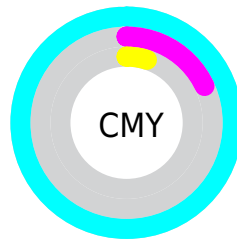
- Red (0%)
- Green (82%)
- Blue (95%)



- Red (0%)
- Yellow (44%)
- Blue (95%)



- Cyan (99%)
- Magenta (14%)
- Yellow (0%)
- Black (5%)




- Cyan (99%)
- Magenta (18%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.011, 223.940 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, 42.011, 223.940 by changing the saturation by 10% instead.


 77, 42.011,
223.940


 77, 42.011,
223.940


 100, 42.011,
223.940


 67, 42.011,
223.940


 97, 42.011,
223.940


 57, 42.011,
223.940

 47, 42.011,
223.940

 37, 42.011,
223.940

 27, 42.011,
223.940

 17, 42.011,
223.940

 7, 42.011, 223.940

■ 0, 42.011, 223.940

■ 77, 42.011,
223.940

■ 77, 42.011,
223.940

■ 77, 42.031,
224.094

■ 78, 41.520,
221.244

■ 79, 40.300,
219.020

■ 81, 38.155,
217.269

■ 83, 35.032,
215.932

■ 84, 30.953,
214.943

■ 86, 25.992,
214.242

■ 89, 20.254,
213.776

■ 91, 13.861,
213.504

■ 93, 6.934, 213.410

Harmonies

Complementary

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



77, 42.011, 223.940



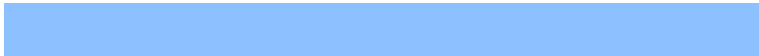
52, 97.735, 41.675

Rectangle

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



77, 42.011, 223.940



77, 42.011, 273.940



77, 42.011, 43.940



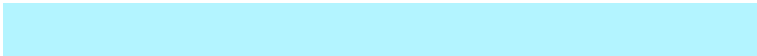
77, 42.011, 93.940

Sweetspot

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



77, 42.010, 223.940



92, 21.412, 213.799



84, 112.118, 137.197



48, 14.356, 213.976



0, 0.000, 0.000



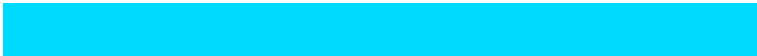
53, 0.007, 296.813

Same Dimension

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



77, 42.010, 223.940



80, 43.605, 224.177



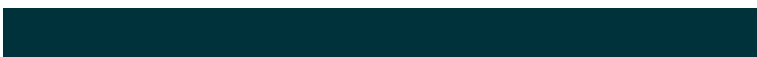
44, 90.358, 295.103



50, 4.198, 213.410



60, 34.442, 223.575



18, 15.418, 219.502

Inverse Universe

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



56, 99.225, 335.078



58, 102.956, 335.141



71, 79.404, 72.060



48, 7.926, 329.219



43, 81.448, 334.988



10, 36.754, 333.969

Previews

White Background



This preview shows how the CIE LCh color 77, 42.011, 223.940 looks on a white background.

Color Contrast Check

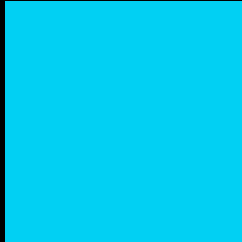
Large Text (above 18pt) WCAG AA × Fail

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, 42.011, 223.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

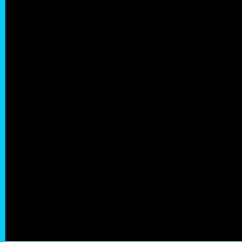
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.011, 223.940

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.011, 223.940.

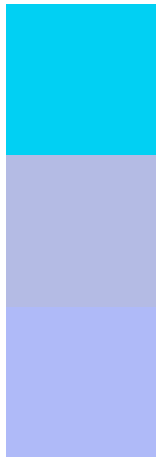


This preview shows how white text looks on a background with the CIELCh color 77, 42.011, 223.940.

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

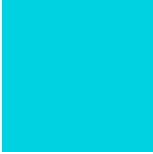
77, 42.032, 223.924

Protanopia

77, 22.123, 286.143

Deuteranopia

77, 33.417, 287.254



Tritanopia
77, 41.784, 208.674

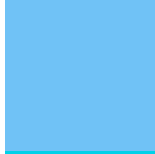
Trichromacy



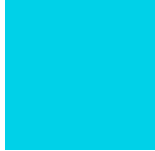
Original Color
77, 42.032, 223.924



Protanomaly
75, 30.063, 241.578



Deuteranomaly
75, 34.998, 252.259



Tritanomaly
77, 41.536, 214.310

Monochromacy



Original Color
77, 42.032, 223.924



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.170, 215.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.011, 223.940 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(1, 208, 243)` looks like.

```
.text, #text, p{  
    color:rgb(1, 208, 243)  
}
```

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(1, 208, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 208, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.011, 223.940 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(1, 208, 243) }
```

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

```
.border{ border-color:rgb(1, 208, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 208, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 208, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 208, 243);  
box-shadow:4px 4px 4px 4px rgb(1, 208,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.011, 223.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 208, 243) }
```

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

```
.background{ background-color: rgb(1, 208,  
243) }
```

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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