

Converting Colors

CIELCh(77, 42.222, 226.240)

Have a look what the booklet for
CIELCh(77, 42.222, 226.240)
contains.

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Color

CIELCh(77, 42.181, 225.523)

Conversions

Conversions Part 1

Format	Color
Hex	02D0F5
RGB	2, 208, 245
RGB Percent	1%, 82%, 96%
CMY	0.9928, 0.1856, 0.0406
CMYK	0.99, 0.15, 0.00, 0.04
HSL	189°, 99%, 48%
HSV	189°, 99%, 96%
XYZ	38.9256, 51.5317, 94.0070
YIQ	150.6240, -134.6530, -32.1650

Conversions

Conversions Part 2

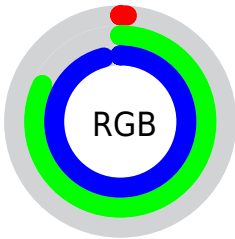
Format	Color
R _Y B	2, 113, 245
Decimal	184565
CIE Lab	77.00, -29.55, -30.10
CIE LCh	77, 42.181, 225.523
Yxy	51.5317, 0.2110, 0.2794
Android (android.graphics.Color)	4278374645 (0xFF02D0F5)
YUV	150.6240, 46.5274, -130.3432
Hunter-Lab	71.7856, -28.8336, -27.3934

Details

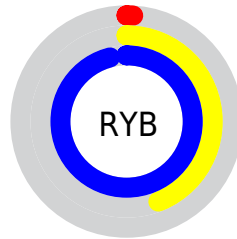
The CIELCh color **77, 42.181, 225.523** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 97.919, 41.816**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **58, 34.938, 233.552** is the 20% darker color. If you saturate the color by 10%, you get **77, 42.212, 225.745**, and if you desaturate by 10%, it is **78, 41.637, 222.670**.

Distribution



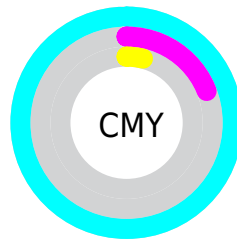
- Red (1%)
- Green (82%)
- Blue (96%)



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



- Cyan (99%)
- Magenta (15%)
- Yellow (0%)
- Black (4%)





- Cyan (99%)
- Magenta (19%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.181, 225.523 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, 42.181, 225.523 by changing the saturation by 10% instead.


 77, 42.181,
225.523


 77, 42.181,
225.523


 100, 42.181,
225.523


 67, 42.181,
225.523


 97, 42.181,
225.523

 57, 42.181,
225.523

 47, 42.181,
225.523

 37, 42.181,
225.523

 27, 42.181,
225.523

 17, 42.181,
225.523

 7, 42.181, 225.523

0, 42.181, 225.523

77, 42.181,
225.523

77, 42.181,
225.523

77, 42.212,
225.745

78, 41.637,
222.670

80, 40.367,
220.315

81, 38.178,
218.457

83, 35.016,
217.031

85, 30.903,
215.970

87, 25.913,
215.210

■ 89, 20.152,
214.695

■ 91, 13.740,
214.381

■ 94, 6.797, 214.252

Harmonies

Complementary

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



77, 42.181, 225.523



53, 97.919, 41.816

Rectangle

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



77, 42.181, 225.523



77, 42.181, 275.523



77, 42.181, 45.523



77, 42.181, 95.523

Sweetspot

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



77, 42.180, 225.523



92, 21.306, 214.729



85, 111.990, 137.463



48, 14.286, 214.927



0, 0.000, 0.000



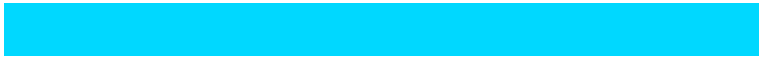
53, 0.007, 296.813

Same Dimension

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



77, 42.180, 225.523



80, 43.555, 225.819



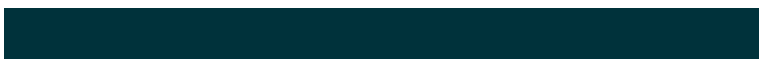
43, 93.249, 296.050



50, 4.176, 214.252



60, 34.394, 225.182



18, 15.375, 220.866

Inverse Universe

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



56, 99.178, 335.480



58, 102.357, 335.559



72, 79.741, 73.688



48, 7.884, 329.464



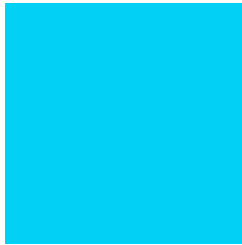
43, 80.982, 335.396



10, 36.570, 334.309

Previews

White Background



This preview shows how the CIE LCh color 77, 42.181, 225.523 looks on a white background.

Color Contrast Check

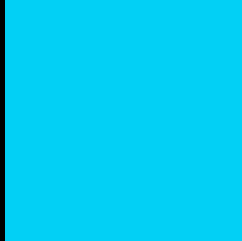
Large Text (above 18pt) WCAG AA × Fail

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, 42.181, 225.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

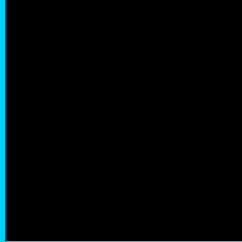
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.181, 225.523

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.181, 225.523.

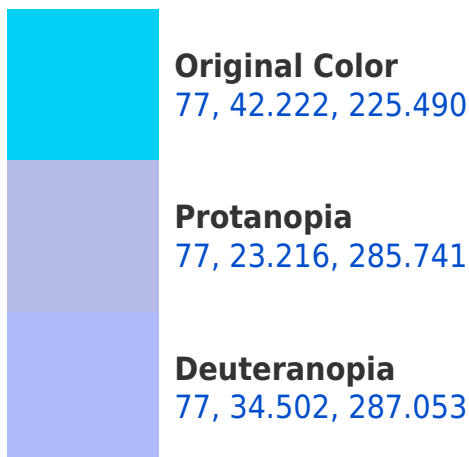


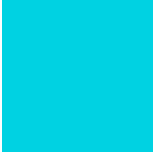
This preview shows how white text looks on a background with the CIELCh color 77, 42.181, 225.523.

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
77, 41.784, 208.674

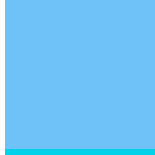
Trichromacy



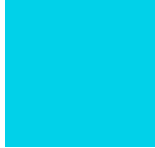
Original Color
77, 42.222, 225.490



Protanomaly
75, 30.660, 243.371



Deuteranomaly
75, 35.860, 253.347



Tritanomaly
77, 41.527, 215.120

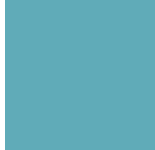
Monochromacy



Original Color
77, 42.222, 225.490



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, 42.181, 225.523 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, 208, 245)` looks like.

```
.text, #text, p{  
    color:rgb(2, 208, 245)  
}
```

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, 208, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 208, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.181, 225.523 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, 208, 245) }
```

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

```
.border{ border-color:rgb(2, 208, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 208, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 208, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 208, 245);  
box-shadow:4px 4px 4px 4px rgb(2, 208,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.181, 225.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 208, 245) }
```

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

```
.background{ background-color: rgb(2, 208,  
245) }
```

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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