

Converting Colors

CIELCh(75, 42.585, 232.644)

Have a look what the booklet for
CIELCh(75, 42.585, 232.644)
contains.

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Color

CIELCh(75, 42.521, 232.550)

Conversions

Conversions Part 1

Format	Color
Hex	00C9F6
RGB	0, 201, 246
RGB Percent	0%, 79%, 96%
CMY	1.0000, 0.2128, 0.0363
CMYK	1.00, 0.18, 0.00, 0.04
HSL	191°, 100%, 48%
HSV	191°, 100%, 96%
XYZ	37.3976, 48.2781, 94.3199
YIQ	146.0310, -134.2410, -28.6170

Conversions

Conversions Part 2

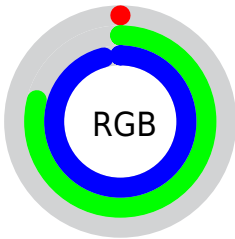
Format	Color
RYB	0, 111, 246
Decimal	51702
CIELab	75.00, -25.86, -33.76
CIELCh	75, 42.521, 232.550
Yxy	48.2781, 0.2078, 0.2682
Android (android.graphics.Color)	4278241782 (0xFF00C9F6)
YUV	146.0310, 49.2847, -128.0692
Hunter-Lab	69.4824, -25.5200, -31.8463

Details

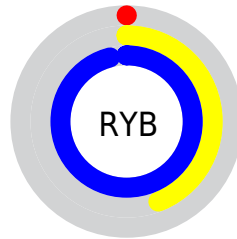
The CIELCh color **75, 42.521, 232.550** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 97.698, 42.611**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **57, 35.849, 241.351** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.487, 232.583**, and if you desaturate by 10%, it is **76, 41.717, 229.064**.

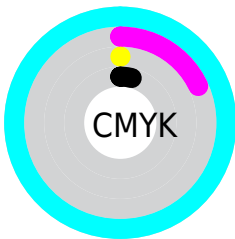
Distribution



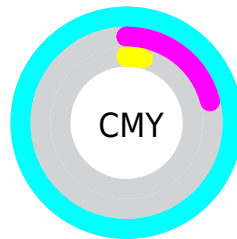
- Red (0%)
- Green (79%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (21%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.521, 232.550 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 75, 42.521, 232.550 by changing the saturation by 10% instead.


 75, 42.521,
232.550


 75, 42.521,
232.550


 100, 42.521,
232.550


 65, 42.521,
232.550


 95, 42.521,
232.550

 55, 42.521,
232.550

 45, 42.521,
232.550

 35, 42.521,
232.550

 25, 42.521,
232.550

 15, 42.521,
232.550

 5, 42.521, 232.550

■ 0, 42.521, 232.550

■ 75, 42.521,
232.550

■ 75, 42.521,
232.550

■ 75, 42.487,
232.583

■ 76, 41.717,
229.064

■ 78, 40.329,
226.103

■ 80, 38.095,
223.733

■ 82, 34.941,
221.882

■ 84, 30.878,
220.471

■ 86, 25.968,
219.420

■ 89, 20.312,
218.662

■ 91, 14.023,
218.142

■ 94, 7.217, 217.831

Harmonies

Complementary

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



75, 42.521, 232.550



53, 97.698, 42.611

Rectangle

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



75, 42.521, 232.550



75, 42.521, 282.550



75, 42.521, 52.550



75, 42.521, 102.550

Sweetspot

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



75, 42.487, 232.583



92, 20.926, 218.666



85, 111.949, 137.651



48, 14.038, 218.955



0, 0.000, 0.000



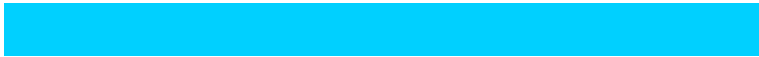
53, 0.007, 296.813

Same Dimension

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



75, 42.487, 232.583



78, 43.701, 232.663



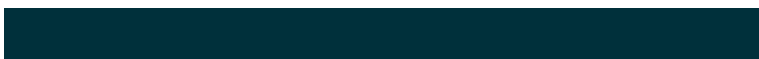
42, 96.899, 297.250



50, 4.095, 217.822



58, 34.462, 231.890



18, 15.282, 226.603

Inverse Universe

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



56, 97.211, 337.336



58, 99.948, 337.358



74, 80.231, 75.083



48, 7.715, 330.503



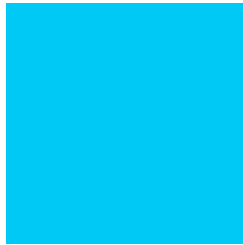
42, 79.108, 337.150



10, 35.825, 335.760

Previews

White Background



This preview shows how the CIE LCh color 75, 42.521, 232.550 looks on a white background.

Color Contrast Check

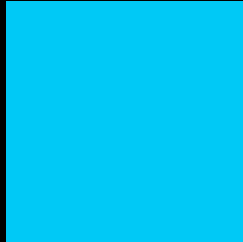
Large Text (above 18pt) WCAG AA × Fail

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 75, 42.521, 232.550 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 75, 42.521, 232.550

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.521, 232.550.

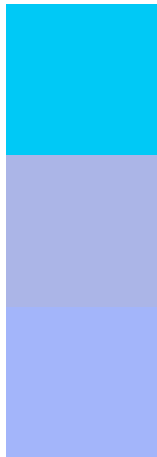


This preview shows how white text looks on a background with the CIELCh color 75, 42.521, 232.550.

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](#).

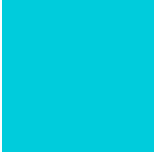
Dichromacy



Original Color
75, 42.521, 232.550

Protanopia
74, 27.153, 285.823

Deuteranopia
75, 37.499, 285.199



Tritanopia
75, 40.870, 209.022

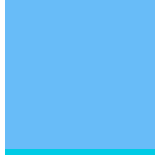
Trichromacy



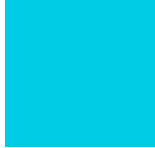
Original Color
75, 42.521, 232.550



Protanomaly
73, 33.198, 250.607



Deuteranomaly
73, 38.334, 257.302



Tritanomaly
75, 40.729, 217.273

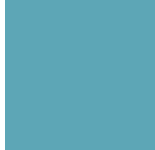
Monochromacy



Original Color
75, 42.521, 232.550



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 23.951, 219.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.521, 232.550 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, 201, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 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, 201, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.521, 232.550 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, 201, 246) }
```

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

```
.border{ border-color:rgb(0, 201, 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, 201, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.521, 232.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 246) }
```

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

```
.background{ background-color: rgb(0, 201,  
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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