

Converting Colors

CIELCh(75, 42.347, 232.259)

Have a look what the booklet for
CIELCh(75, 42.347, 232.259)
contains.

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Color

CIELCh(75, 42.289, 231.856)

Conversions

Conversions Part 1

Format	Color
Hex	02C9F5
RGB	2, 201, 245
RGB Percent	1%, 79%, 96%
CMY	0.9928, 0.2125, 0.0400
CMYK	0.99, 0.18, 0.00, 0.04
HSL	191°, 99%, 48%
HSV	191°, 99%, 96%
XYZ	37.3169, 48.2781, 93.5825
YIQ	146.5150, -132.7280, -28.5040

Conversions

Conversions Part 2

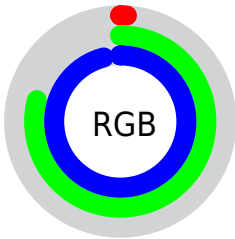
Format	Color
R _Y B	2, 111, 245
Decimal	182773
CIE Lab	75.00, -26.12, -33.26
CIE LCh	75, 42.289, 231.856
Yxy	48.2781, 0.2083, 0.2694
Android (android.graphics.Color)	4278372853 (0xFF02C9F5)
YUV	146.5150, 48.5531, -126.7397
Hunter-Lab	69.4824, -25.7273, -31.2171

Details

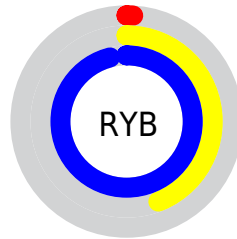
The CIELCh color **75, 42.289, 231.856** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 96.970, 42.528**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **57, 35.588, 240.455** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.340, 232.123**, and if you desaturate by 10%, it is **76, 41.514, 228.407**.

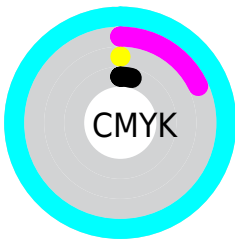
Distribution



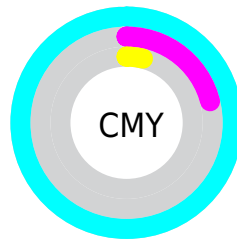
- Red (1%)
- Green (79%)
- Blue (96%)



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



- Cyan (99%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)





- Cyan (99%)
- Magenta (21%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.289, 231.856 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, 42.289, 231.856 by changing the saturation by 10% instead.


 75, 42.289,
231.856


 75, 42.289,
231.856


 100, 42.289,
231.856


 65, 42.289,
231.856


 95, 42.289,
231.856

 55, 42.289,
231.856

 45, 42.289,
231.856

 35, 42.289,
231.856

 25, 42.289,
231.856

 15, 42.289,
231.856

 5, 42.289, 231.856

■ 0, 42.289, 231.856

■ 75, 42.289,
231.856

■ 75, 42.289,
231.856

■ 75, 42.340,
232.123

■ 76, 41.514,
228.407

■ 78, 40.084,
225.529

■ 80, 37.797,
223.232

■ 82, 34.588,
221.444

■ 84, 30.471,
220.084

■ 86, 25.515,
219.076

■ 89, 19.820,
218.353

■ 91, 13.502,
217.861

■ 94, 6.675, 217.579

Harmonies

Complementary

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



75, 42.289, 231.856



53, 96.970, 42.528

Rectangle

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



75, 42.289, 231.856



75, 42.289, 281.856



75, 42.289, 51.856



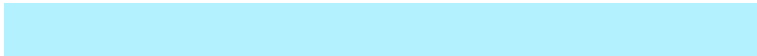
75, 42.289, 101.856

Sweetspot

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



75, 42.288, 231.856



92, 20.948, 218.402



85, 111.297, 137.741



48, 14.052, 218.685



0, 0.000, 0.000



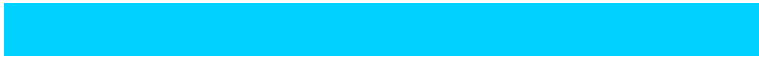
53, 0.007, 296.813

Same Dimension

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



75, 42.288, 231.856



78, 43.674, 232.211



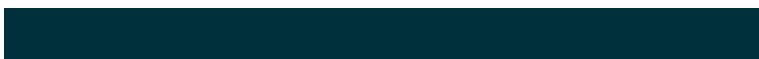
42, 95.828, 296.995



50, 4.100, 217.583



58, 34.444, 231.446



18, 15.284, 226.221

Inverse Universe

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



56, 97.054, 337.138



58, 100.104, 337.236



73, 79.806, 75.280



48, 7.726, 330.433



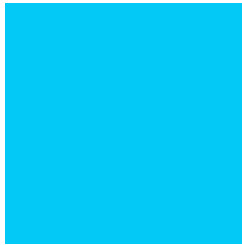
42, 79.229, 337.031



10, 35.873, 335.662

Previews

White Background



This preview shows how the CIE LCh color 75, 42.289, 231.856 looks on a white background.

Color Contrast Check

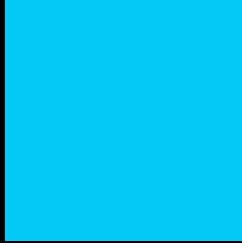
Large Text (above 18pt) WCAG AA × Fail

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, 42.289, 231.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

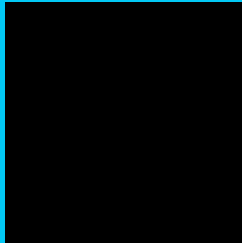
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 42.289, 231.856

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.289, 231.856.

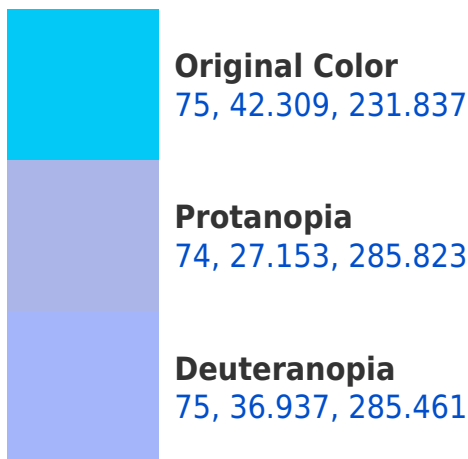


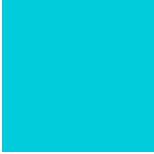
This preview shows how white text looks on a background with the CIELCh color 75, 42.289, 231.856.

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
75, 40.870, 209.022

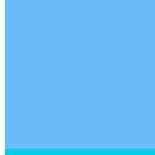
Trichromacy



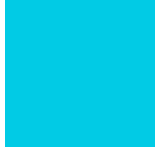
Original Color
75, 42.309, 231.837



Protanomaly
73, 33.198, 250.607



Deuteranomaly
73, 37.832, 256.956



Tritanomaly
75, 40.706, 217.287

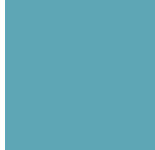
Monochromacy



Original Color
75, 42.309, 231.837



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 23.728, 219.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.289, 231.856 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, 201, 245)` looks like.

```
.text, #text, p{  
    color:rgb(2, 201, 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, 201, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 201, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.289, 231.856 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, 201, 245) }
```

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

```
.border{ border-color:rgb(2, 201, 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, 201, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 201, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 201, 245);  
box-shadow:4px 4px 4px 4px rgb(2, 201,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.289, 231.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 201, 245) }
```

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

```
.background{ background-color: rgb(2, 201,  
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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