

Converting Colors

CIELCh(75, 42.739, 233.196)

Have a look what the booklet for
CIELCh(75, 42.739, 233.196)
contains.

CIELCh(75, 42.700, 233.295)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 42.700, 233.295)

Conversions

Conversions Part 1

Format	Color
Hex	00C9F7
RGB	0, 201, 247
RGB Percent	0%, 79%, 97%
CMY	1.0000, 0.2132, 0.0329
CMYK	1.00, 0.19, 0.00, 0.03
HSL	191°, 100%, 48%
HSV	191°, 100%, 97%
XYZ	37.5000, 48.2781, 95.0293
YIQ	146.1450, -134.5620, -28.3060

Conversions

Conversions Part 2

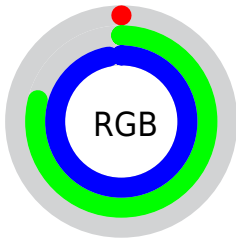
Format	Color
RYB	0, 111, 247
Decimal	51703
CIELab	75.00, -25.52, -34.23
CIELCh	75, 42.700, 233.295
Yxy	48.2781, 0.2074, 0.2670
Android (android.graphics.Color)	4278241783 (0xFF00C9F7)
YUV	146.1450, 49.7215, -128.1692
Hunter-Lab	69.4824, -25.2570, -32.4517

Details

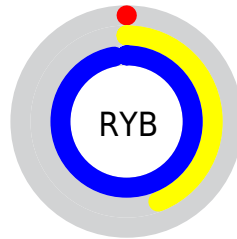
The CIELCh color **75, 42.700, 233.295** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 97.846, 42.696**, and the grayscale version is **60, 0.008, 296.813**.

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, 42.653, 233.342**, and if you desaturate by 10%, it is **76, 41.847, 229.756**.

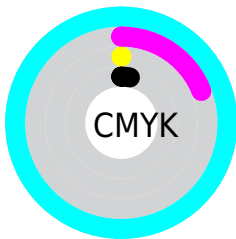
Distribution



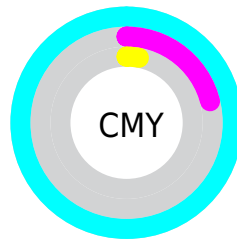
- Red (0%)
- Green (79%)
- Blue (97%)



- Red (0%)
- Yellow (44%)
- Blue (97%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (21%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.700, 233.295 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, 42.700, 233.295 by changing the saturation by 10% instead.


 75, 42.700,
233.295


 75, 42.700,
233.295


 100, 42.700,
233.295


 65, 42.700,
233.295


 95, 42.700,
233.295

 55, 42.700,
233.295

 45, 42.700,
233.295

 35, 42.700,
233.295

 25, 42.700,
233.295

 15, 42.700,
233.295

 5, 42.700, 233.295

■ 0, 42.700, 233.295

■ 75, 42.700,
233.295

■ 75, 42.700,
233.295

■ 75, 42.653,
233.342

■ 76, 41.847,
229.756

■ 78, 40.431,
226.733

■ 80, 38.175,
224.310

■ 82, 35.003,
222.415

■ 84, 30.925,
220.968

■ 86, 26.003,
219.887

■ 89, 20.336,
219.104

■ 91, 14.038,
218.562

■ 94, 7.225, 218.233

Harmonies

Complementary

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



75, 42.700, 233.295



54, 97.846, 42.696

Rectangle

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



75, 42.700, 233.295



75, 42.700, 283.295



75, 42.700, 53.295



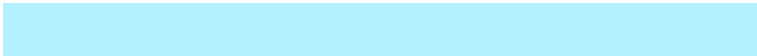
75, 42.700, 103.295

Sweetspot

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



75, 42.653, 233.342



91, 20.890, 219.107



85, 111.468, 137.945



48, 14.015, 219.406



0, 0.000, 0.000



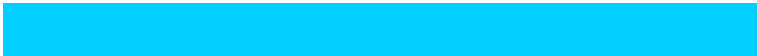
53, 0.007, 296.813

Same Dimension

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



75, 42.653, 233.342



77, 43.752, 233.416



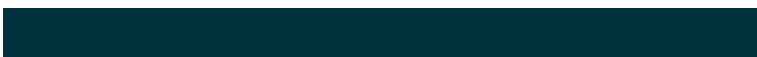
41, 99.720, 298.136



50, 4.087, 218.222



58, 34.496, 232.629



17, 15.281, 227.240

Inverse Universe

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



56, 97.223, 337.543



58, 99.691, 337.563



75, 80.538, 76.677



48, 7.696, 330.620



42, 78.908, 337.349



10, 35.745, 335.925

Previews

White Background



This preview shows how the CIE LCh color 75, 42.700, 233.295 looks on a white background.

Color Contrast Check

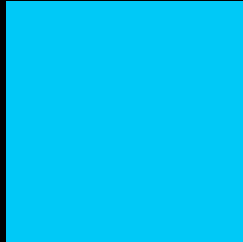
Large Text (above 18pt) WCAG AA × Fail

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, 42.700, 233.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

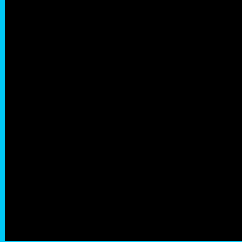
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 42.700, 233.295

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.700, 233.295.

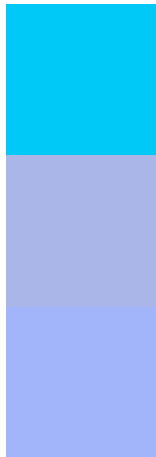


This preview shows how white text looks on a background with the CIELCh color 75, 42.700, 233.295.

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

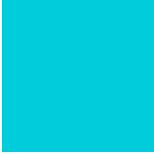
75, 42.700, 233.295

Protanopia

74, 27.717, 285.368

Deuteranopia

75, 38.062, 284.950



Tritanopia
75, 40.870, 209.022

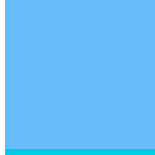
Trichromacy



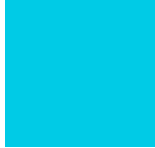
Original Color
75, 42.700, 233.295



Protanomaly
73, 33.689, 251.057



Deuteranomaly
73, 38.835, 257.645



Tritanomaly
75, 40.772, 218.089

Monochromacy



Original Color
75, 42.700, 233.295



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 24.067, 221.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.700, 233.295 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 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(0, 201, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.700, 233.295 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, 247) }
```

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

```
.border{ border-color:rgb(0, 201, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.700, 233.295 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, 247) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor