

Converting Colors

CIELCh(75, 42.280, 230.869)

Have a look what the booklet for
CIELCh(75, 42.280, 230.869)
contains.

CIELCh(75, 42.182, 231.040)	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, 42.182, 231.040)

Conversions

Conversions Part 1

Format	Color
Hex	00C9F4
RGB	0, 201, 244
RGB Percent	0%, 79%, 96%
CMY	1.0000, 0.2119, 0.0433
CMYK	1.00, 0.18, 0.00, 0.04
HSL	191°, 100%, 48%
HSV	191°, 100%, 96%
XYZ	37.1936, 48.2781, 92.9071
YIQ	145.8030, -133.5990, -29.2390

Conversions

Conversions Part 2

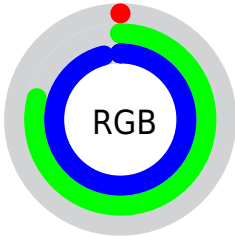
Format	Color
RYB	0, 110, 244
Decimal	51700
CIELab	75.00, -26.52, -32.80
CIELCh	75, 42.182, 231.040
Yxy	48.2781, 0.2085, 0.2706
Android (android.graphics.Color)	4278241780 (0xFF00C9F4)
YUV	145.8030, 48.4111, -127.8692
Hunter-Lab	69.4824, -26.0441, -30.6408

Details

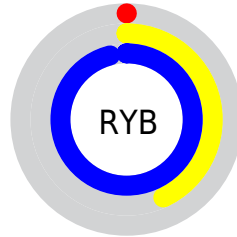
The CIELCh color **75, 42.182, 231.040** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 97.396, 42.443**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **57, 35.334, 239.547** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.176, 231.044**, and if you desaturate by 10%, it is **76, 41.474, 227.668**.

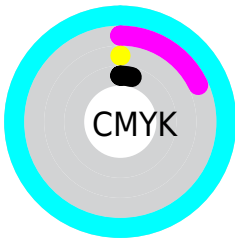
Distribution



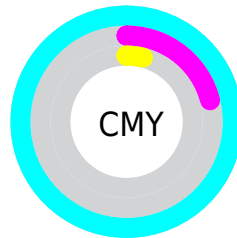
- Red (0%)
- Green (79%)
- Blue (96%)



- Red (0%)
- Yellow (43%)
- 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, 42.182, 231.040 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, 42.182, 231.040 by changing the saturation by 10% instead.


 75, 42.182,
231.040


 75, 42.182,
231.040


 100, 42.182,
231.040


 65, 42.182,
231.040


 95, 42.182,
231.040

 55, 42.182,
231.040

 45, 42.182,
231.040

 35, 42.182,
231.040

 25, 42.182,
231.040

 15, 42.182,
231.040

 5, 42.182, 231.040

0, 42.182, 231.040

75, 42.182,
231.040

75, 42.182,
231.040

75, 42.176,
231.044

76, 41.474,
227.668

78, 40.138,
224.833

80, 37.945,
222.569

81, 34.826,
220.808

84, 30.790,
219.470

86, 25.903,
218.481

■ 88, 20.267,
217.774

■ 91, 13.995,
217.297

■ 93, 7.204, 217.024

Harmonies

Complementary

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



75, 42.182, 231.040



53, 97.396, 42.443

Rectangle

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



75, 42.182, 231.040



75, 42.182, 281.040



75, 42.182, 51.040



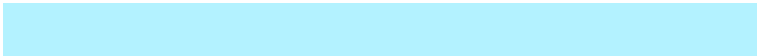
75, 42.182, 101.040

Sweetspot

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



75, 42.176, 231.044



92, 21.002, 217.778



84, 111.320, 137.657



48, 14.088, 218.047



0, 0.000, 0.000



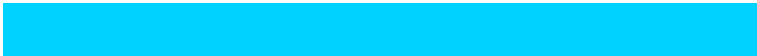
53, 0.007, 296.813

Same Dimension

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



75, 42.176, 231.044



78, 43.619, 231.137



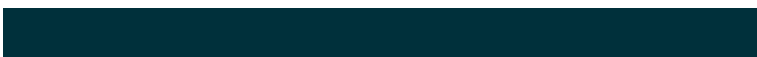
42, 96.328, 297.235



50, 4.111, 217.016



58, 34.409, 230.393



18, 15.291, 225.316

Inverse Universe

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



56, 97.191, 336.923



58, 100.474, 336.948



73, 79.791, 75.095



48, 7.752, 330.268



42, 79.518, 336.750



10, 35.989, 335.431

Previews

White Background



This preview shows how the CIE LCh color 75, 42.182, 231.040 looks on a white background.

Color Contrast Check

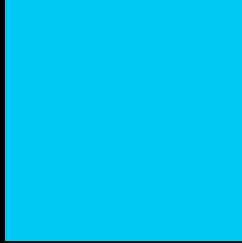
Large Text (above 18pt) WCAG AA × Fail

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, 42.182, 231.040 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, 42.182, 231.040

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.182, 231.040.

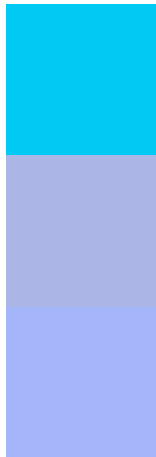


This preview shows how white text looks on a background with the CIELCh color 75, 42.182, 231.040.

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

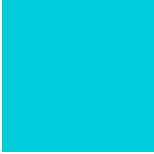
75, 42.182, 231.040

Protanopia

74, 26.619, 285.618

Deuteranopia

75, 36.937, 285.461



Tritanopia
75, 40.870, 209.022

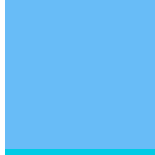
Trichromacy



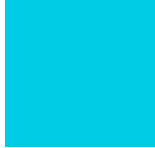
Original Color
75, 42.182, 231.040



Protanomaly
73, 32.843, 249.844



Deuteranomaly
73, 37.938, 256.695



Tritanomaly
75, 40.729, 217.273

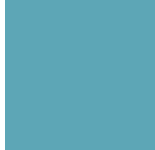
Monochromacy



Original Color
75, 42.182, 231.040



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, 42.182, 231.040 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.182, 231.040 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, 244) }
```

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

```
.border{ border-color:rgb(0, 201, 244) }
```

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, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.182, 231.040 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, 244) }
```

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

```
.background{ background-color: rgb(0, 201,  
244) }
```

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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