

Converting Colors

CIELCh(76, 43.864, 236.569)

Have a look what the booklet for
CIELCh(76, 43.864, 236.569)
contains.

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Color

CIELCh(76, 43.879, 236.635)

Conversions

Conversions Part 1

Format	Color
Hex	02CBFE
RGB	2, 203, 254
RGB Percent	1%, 80%, 100%
CMY	0.9916, 0.2039, 0.0039
CMYK	0.99, 0.20, 0.00, 0.00
HSL	192°, 99%, 50%
HSV	192°, 99%, 100%
XYZ	39.2759, 49.8872, 101.3355
YIQ	148.7150, -136.1670, -26.7510

Conversions

Conversions Part 2

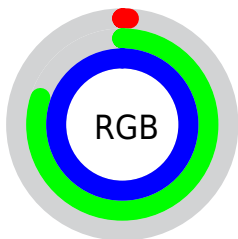
Format	Color
R_{YB}	2, 114, 254
Decimal	183294
CIE _{Lab}	76.00, -24.13, -36.65
CIE _{LCh}	76, 43.879, 236.635
Yxy	49.8872, 0.2062, 0.2619
Android (android.graphics.Color)	4278373374 (0xFF02CBFE)
YUV	148.7150, 51.9055, -128.6691
Hunter-Lab	70.6309, -24.3452, -35.6228

Details

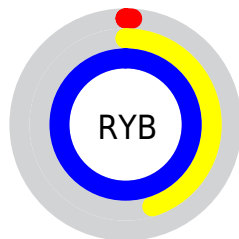
The CIELCh color **76, 43.879, 236.635** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **56, 98.890, 43.104**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **58, 37.460, 245.149** is the 20% darker color. If you saturate the color by 10%, you get **76, 43.959, 236.970**, and if you desaturate by 10%, it is **78, 42.852, 232.761**.

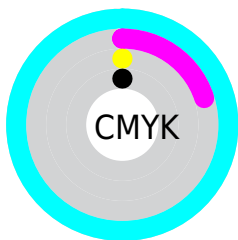
Distribution



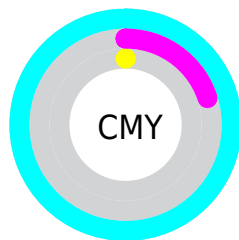
- Red (1%)
- Green (80%)
- Blue (100%)



- Red (1%)
- Yellow (45%)
- Blue (100%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 43.879, 236.635 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 76, 43.879, 236.635 by changing the saturation by 10% instead.


 76, 43.879,
236.635


 76, 43.879,
236.635


 100, 43.879,
236.635


 66, 43.879,
236.635


 96, 43.879,
236.635

 56, 43.879,
236.635

 46, 43.879,
236.635

 36, 43.879,
236.635

 26, 43.879,
236.635

 16, 43.879,
236.635

 6, 43.879, 236.635

■ 0, 43.879, 236.635

■ 76, 43.879,
236.635

■ 76, 43.879,
236.635

■ 76, 43.959,
236.970

■ 78, 42.852,
232.761

■ 79, 41.211,
229.503

■ 81, 38.742,
226.881

■ 84, 35.368,
224.820

■ 86, 31.097,
223.235

■ 88, 25.993,
222.038

■ 91, 20.155,
221.157

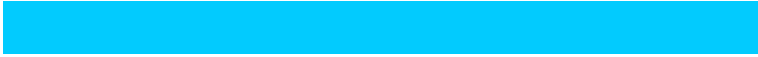
■ 94, 13.697,
220.532

■ 97, 6.734, 220.134

Harmonies

Complementary

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



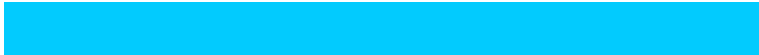
76, 43.879, 236.635



56, 98.890, 43.104

Rectangle

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



76, 43.879, 236.635



76, 43.879, 286.635



76, 43.879, 56.635



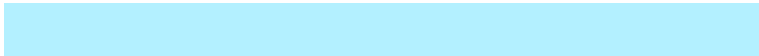
76, 43.879, 106.635

Sweetspot

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



76, 43.878, 236.635



91, 20.736, 221.221



88, 112.774, 138.357



47, 13.916, 221.568



0, 0.000, 0.000



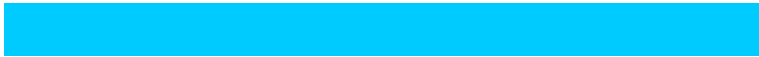
53, 0.007, 296.813

Same Dimension

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



76, 43.878, 236.635



76, 44.089, 236.980



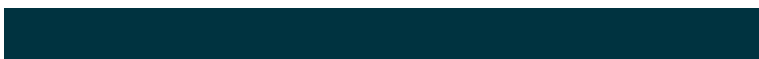
42, 103.787, 298.759



52, 4.189, 220.143



58, 35.442, 236.212



19, 16.159, 230.879

Inverse Universe

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



57, 98.180, 338.454



58, 98.488, 338.554



78, 82.336, 78.428



50, 7.869, 331.185



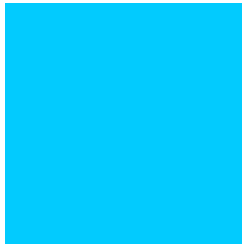
43, 79.533, 338.337



11, 37.263, 336.879

Previews

White Background



This preview shows how the CIE LCh color 76, 43.879, 236.635 looks on a white background.

Color Contrast Check

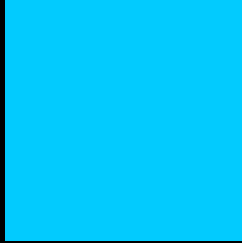
Large Text (above 18pt) WCAG AA × Fail

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 76, 43.879, 236.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

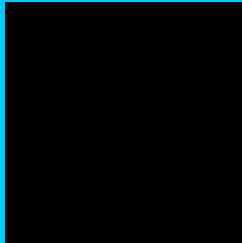
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 43.879, 236.635

Background



This preview shows how black text looks on a background with the CIELCh color 76, 43.879, 236.635.

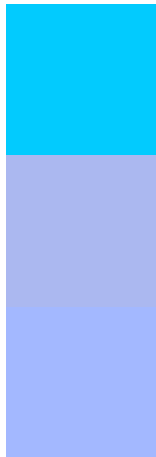


This preview shows how white text looks on a background with the CIELCh color 76, 43.879, 236.635.

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

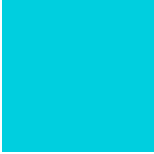
76, 43.879, 236.635

Protanopia

76, 30.354, 285.117

Deuteranopia

76, 38.551, 284.209



Tritanopia
76, 41.328, 208.845

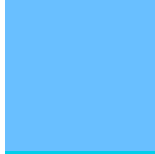
Trichromacy



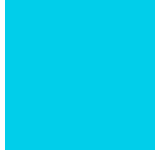
Original Color
76, 43.879, 236.635



Protanomaly
74, 35.642, 254.100



Deuteranomaly
74, 40.112, 258.906



Tritanomaly
76, 41.229, 218.607

Monochromacy



Original Color
76, 43.879, 236.635



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 24.214, 222.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 43.879, 236.635 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, 203, 254)` looks like.

```
.text, #text, p{  
    color:rgb(2, 203, 254)  
}
```

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, 203, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 203, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 43.879, 236.635 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, 203, 254) }
```

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

```
.border{ border-color:rgb(2, 203, 254) }
```

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

Here you see how a box with a 4 pixel rgb(2, 203, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 203, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 203, 254);  
box-shadow:4px 4px 4px 4px rgb(2, 203,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 43.879, 236.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 203, 254) }
```

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

```
.background{ background-color: rgb(2, 203,  
254) }
```

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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