

Converting Colors

CIELCh(76, 44.288, 238.542)

Have a look what the booklet for
CIELCh(76, 44.288, 238.542)
contains.

CIELCh(76, 43.987, 237.459)	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(76, 43.987, 237.459)

Conversions

Conversions Part 1

Format	Color
Hex	07CBFF
RGB	7, 203, 255
RGB Percent	3%, 80%, 100%
CMY	0.9727, 0.2046, 0.0007
CMYK	0.97, 0.20, 0.00, 0.00
HSL	193°, 100%, 51%
HSV	193°, 97%, 100%
XYZ	39.4252, 49.8872, 102.0131
YIQ	150.3240, -133.5080, -25.3800

Conversions

Conversions Part 2

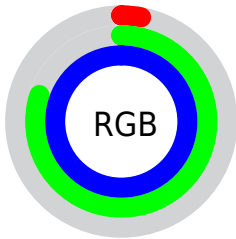
Format	Color
R_{YB}	7, 116, 255
Decimal	510975
CIE _{Lab}	76.00, -23.66, -37.08
CIE _{LCh}	76, 43.987, 237.459
Yxy	49.8872, 0.2061, 0.2607
Android (android.graphics.Color)	4278701055 (0xFF07CBFF)
YUV	150.3240, 51.6053, -125.6951
Hunter-Lab	70.6309, -23.9678, -36.1917

Details

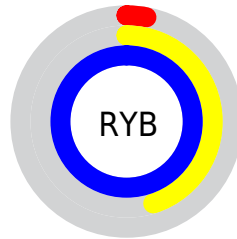
The CIELCh color **76, 43.987, 237.459** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **56, 97.515, 43.376**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **58, 37.760, 245.965** is the 20% darker color. If you saturate the color by 10%, you get **76, 44.271, 238.584**, and if you desaturate by 10%, it is **78, 42.793, 233.545**.

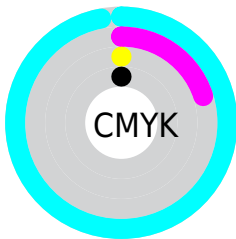
Distribution



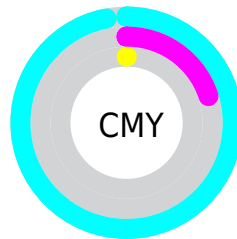
- Red (3%)
- Green (80%)
- Blue (100%)



- Red (3%)
- Yellow (45%)
- Blue (100%)



- Cyan (97%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 43.987, 237.459 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, 43.987, 237.459 by changing the saturation by 10% instead.


 76, 43.987,
237.459


 76, 43.987,
237.459


 100, 43.987,
237.459


 66, 43.987,
237.459


 96, 43.987,
237.459

 56, 43.987,
237.459

 46, 43.987,
237.459

 36, 43.987,
237.459

 26, 43.987,
237.459

 16, 43.987,
237.459

 6, 43.987, 237.459

■ 0, 43.987, 237.459

■ 76, 43.987,
237.459

■ 76, 43.987,
237.459

■ 76, 44.271,
238.584

■ 78, 42.793,
233.545

■ 80, 40.938,
230.293

■ 82, 38.250,
227.681

■ 84, 34.668,
225.630

■ 86, 30.209,
224.051

■ 89, 24.943,
222.859

■ 92, 18.972,
221.978

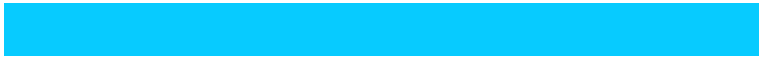
■ 95, 12.410,
221.351

■ 98, 5.367, 220.966

Harmonies

Complementary

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



76, 43.987, 237.459



56, 97.515, 43.376

Rectangle

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



76, 43.987, 237.459



76, 43.987, 287.459



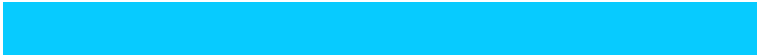
76, 43.987, 57.459



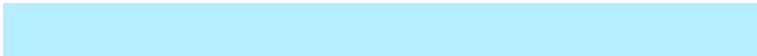
76, 43.987, 107.459

Sweetspot

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



76, 43.986, 237.459



91, 20.060, 222.111



88, 112.100, 138.625



47, 13.544, 222.472



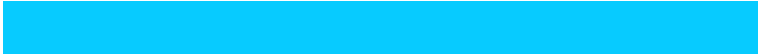
0, 0.000, 0.000



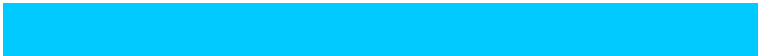
53, 0.007, 296.813

Same Dimension

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



76, 43.986, 237.459



76, 44.294, 238.586



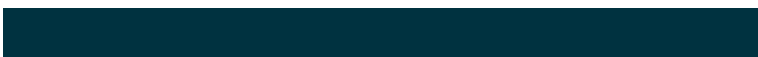
43, 101.993, 298.166



52, 4.175, 221.025



58, 35.592, 237.795



19, 16.184, 232.281

Inverse Universe

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



58, 97.845, 338.684



58, 97.953, 339.015



79, 82.138, 78.875



50, 7.828, 331.444



43, 79.107, 338.787



11, 37.084, 337.255

Previews

White Background



This preview shows how the CIELCh color 76, 43.987, 237.459 looks on a white background.

Color Contrast Check

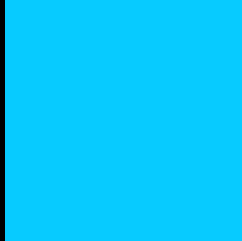
Large Text (above 18pt) WCAG AA × Fail

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, 43.987, 237.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

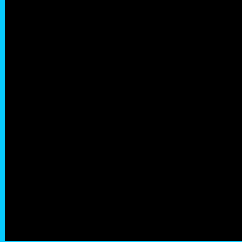
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 43.987, 237.459

Background



This preview shows how black text looks on a background with the CIELCh color 76, 43.987, 237.459.

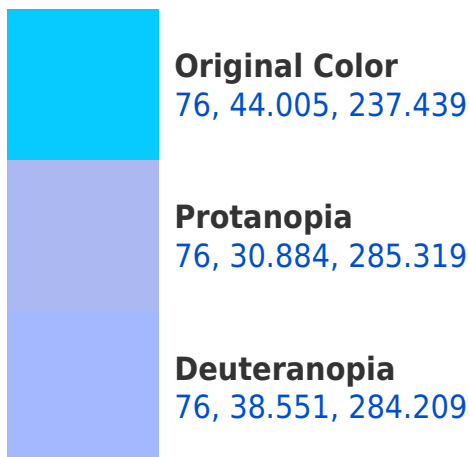


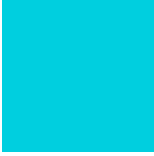
This preview shows how white text looks on a background with the CIELCh color 76, 43.987, 237.459.

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
76, 41.328, 208.845

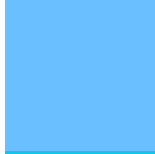
Trichromacy



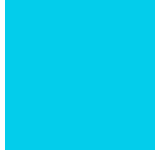
Original Color
76, 44.005, 237.439



Protanomaly
74, 35.906, 255.047



Deuteranomaly
75, 40.014, 259.151



Tritanomaly
76, 41.158, 220.350

Monochromacy



Original Color
76, 44.005, 237.439



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 23.921, 224.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 43.987, 237.459 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(7, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(7, 203, 255)  
}
```

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(7, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 203, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 43.987, 237.459 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(7, 203, 255) }
```

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

```
.border{ border-color:rgb(7, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(7, 203,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 43.987, 237.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 203, 255) }
```

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

```
.background{ background-color: rgb(7, 203,  
255) }
```

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