

Converting Colors

CIELCh(77, 69.474, 261.580)

Have a look what the booklet for
CIELCh(77, 69.474, 261.580)
contains.

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Color

CIELCh(76, 44.127, 237.299)

Conversions

Conversions Part 1

Format	Color
Hex	00CBFF
RGB	0, 203, 255
RGB Percent	0%, 80%, 100%
CMY	1.0000, 0.2042, 0.0003
CMYK	1.00, 0.20, 0.00, 0.00
HSL	192°, 100%, 50%
HSV	192°, 100%, 100%
XYZ	39.3684, 49.8872, 102.0938
YIQ	148.2310, -137.6800, -26.8640

Conversions

Conversions Part 2

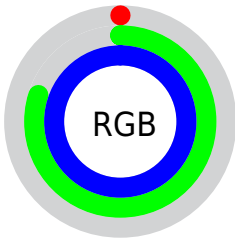
Format	Color
RYB	0, 113, 255
Decimal	52223
CIELab	76.00, -23.84, -37.13
CIELCh	76, 44.127, 237.299
Yxy	49.8872, 0.2057, 0.2607
Android (android.graphics.Color)	4278242303 (0xFF00CBFF)
YUV	148.2310, 52.6371, -129.9986
Hunter-Lab	70.6309, -24.1113, -36.2594

Details

The CIELCh color **76, 44.127, 237.299** 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, 99.694, 43.150**, 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, 37.760, 245.965** is the 20% darker color. If you saturate the color by 10%, you get **76, 44.118, 237.308**, and if you desaturate by 10%, it is **78, 43.096, 233.373**.

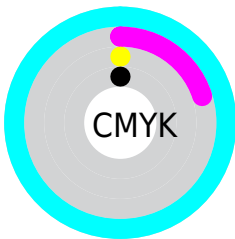
Distribution



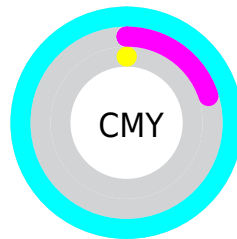
- Red (0%)
- Green (80%)
- Blue (100%)



- Red (0%)
- Yellow (44%)
- Blue (100%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 44.127, 237.299 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, 44.127, 237.299 by changing the saturation by 10% instead.

 76, 44.127,
237.299

 76, 44.127,
237.299

 100, 44.127,
237.299

 66, 44.127,
237.299


 96, 44.127,
237.299

 56, 44.127,
237.299

 46, 44.127,
237.299

 36, 44.127,
237.299

 26, 44.127,
237.299

 16, 44.127,
237.299

 6, 44.127, 237.299

■ 0, 44.127, 237.299

■ 76, 44.127,
237.299

■ 76, 44.127,
237.299

■ 76, 44.118,
237.308

■ 78, 43.096,
233.373

■ 79, 41.500,
230.034

■ 81, 39.089,
227.337

■ 84, 35.778,
225.214

■ 86, 31.566,
223.575

■ 88, 26.513,
222.336

■ 91, 20.718,
221.419

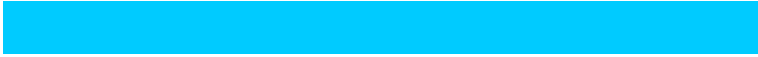
■ 94, 14.293,
220.764

■ 97, 7.352, 220.337

Harmonies

Complementary

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



76, 44.127, 237.299



56, 99.694, 43.150

Rectangle

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



76, 44.127, 237.299



76, 44.127, 287.299



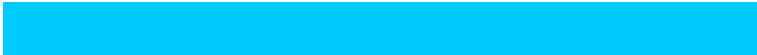
76, 44.127, 57.299



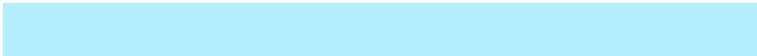
76, 44.127, 107.299

Sweetspot

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



76, 44.118, 237.308



91, 20.723, 221.419



88, 113.498, 138.240



47, 13.908, 221.771



0, 0.000, 0.000



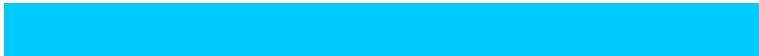
53, 0.007, 296.813

Same Dimension

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



76, 44.118, 237.308



76, 44.129, 237.309



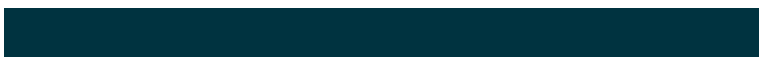
42, 105.001, 299.022



52, 4.186, 220.323



58, 35.471, 236.536



19, 16.163, 231.166

Inverse Universe

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



58, 98.355, 338.648



58, 98.378, 338.648



78, 82.743, 78.224



50, 7.861, 331.237



43, 79.446, 338.429



11, 37.226, 336.956

Previews

White Background



This preview shows how the CIE LCh color 76, 44.127, 237.299 looks on a white background.

Color Contrast Check

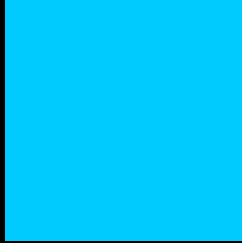
Large Text (above 18pt) WCAG AA × Fail

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, 44.127, 237.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

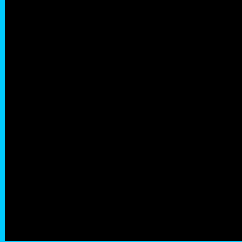
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 44.127, 237.299

Background



This preview shows how black text looks on a background with the CIELCh color 76, 44.127, 237.299.

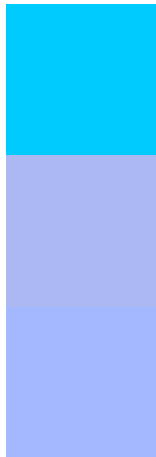


This preview shows how white text looks on a background with the CIELCh color 76, 44.127, 237.299.

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

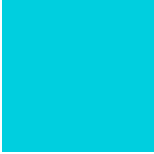
76, 44.127, 237.299

Protanopia

76, 30.884, 285.319

Deuteranopia

76, 38.551, 284.209



Tritanopia
76, 41.328, 208.845

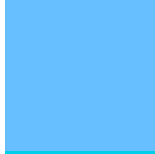
Trichromacy



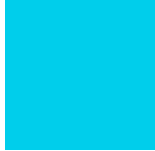
Original Color
76, 44.127, 237.299



Protanomaly
74, 36.140, 254.484



Deuteranomaly
74, 40.209, 258.663



Tritanomaly
76, 41.306, 219.395

Monochromacy



Original Color
76, 44.127, 237.299



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 24.562, 223.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 44.127, 237.299 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, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 44.127, 237.299 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, 203, 255) }
```

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

```
.border{ border-color:rgb(0, 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(0, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 44.127, 237.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 255) }
```

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

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

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