

Converting Colors

CIELCh(78, 42.908, 228.752)

Have a look what the booklet for
CIELCh(78, 42.908, 228.752)
contains.

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Color

CIELCh(78, 42.970, 229.147)

Conversions

Conversions Part 1

Format	Color
Hex	0AD2FC
RGB	10, 210, 252
RGB Percent	4%, 82%, 99%
CMY	0.9593, 0.1763, 0.0116
CMYK	0.96, 0.17, 0.00, 0.01
HSL	190°, 98%, 51%
HSV	190°, 96%, 99%
XYZ	40.7640, 53.2120, 100.2547
YIQ	154.9880, -132.6820, -29.3380

Conversions

Conversions Part 2

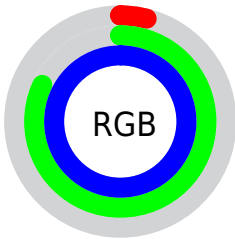
Format	Color
R _{YB}	10, 120, 252
Decimal	709372
CIE Lab	78.00, -28.11, -32.50
CIE LCh	78, 42.970, 229.147
Yxy	53.2120, 0.2099, 0.2740
Android (android.graphics.Color)	4278899452 (0xFF0AD2FC)
YUV	154.9880, 47.8269, -127.1545
Hunter-Lab	72.9466, -27.9071, -30.4231

Details

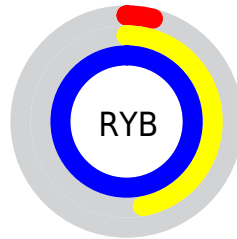
The CIELCh color **78, 42.970, 229.147** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **55, 97.178, 42.277**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **59, 36.017, 236.849** is the 20% darker color. If you saturate the color by 10%, you get **77, 43.212, 230.566**, and if you desaturate by 10%, it is **79, 42.073, 225.993**.

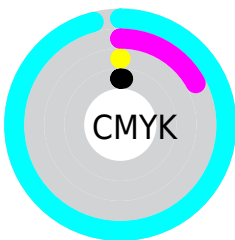
Distribution



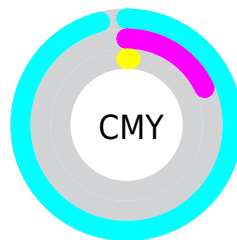
- Red (4%)
- Green (82%)
- Blue (99%)



- Red (4%)
- Yellow (47%)
- Blue (99%)



- Cyan (96%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)





- Cyan (96%)
- Magenta (18%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 42.970, 229.147 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 78, 42.970, 229.147 by changing the saturation by 10% instead.

 78, 42.970,
229.147


 78, 42.970,
229.147

 100, 42.970,
229.147


 68, 42.970,
229.147


 98, 42.970,
229.147

 58, 42.970,
229.147

 48, 42.970,
229.147

 38, 42.970,
229.147

 28, 42.970,
229.147

 18, 42.970,
229.147

 8, 42.970, 229.147

0, 42.970, 229.147

78, 42.970,
229.147

78, 42.970,
229.147

77, 43.212,
230.566

79, 42.073,
225.993

81, 40.380,
223.429

83, 37.760,
221.407

85, 34.178,
219.852

87, 29.671,
218.685

89, 24.325,
217.836

■ 92, 18.252,
217.244

■ 94, 11.571,
216.864

■ 97, 4.402, 216.713

Harmonies

Complementary

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



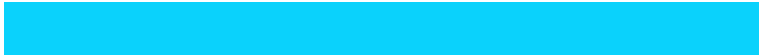
78, 42.970, 229.147



55, 97.178, 42.277

Rectangle

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



78, 42.970, 229.147



78, 42.970, 279.147



78, 42.970, 49.147



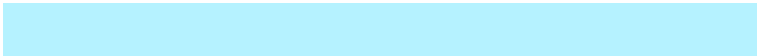
78, 42.970, 99.147

Sweetspot

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



78, 42.969, 229.147



92, 20.408, 217.405



87, 112.252, 138.152



48, 13.769, 217.660



0, 0.000, 0.000



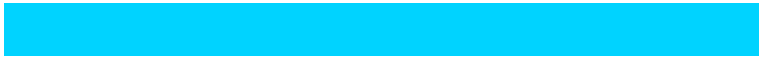
53, 0.007, 296.813

Same Dimension

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



78, 42.969, 229.147



78, 43.597, 230.590



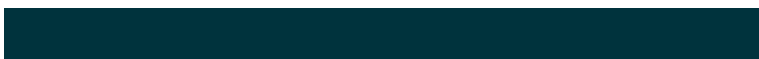
45, 94.561, 295.887



51, 4.188, 216.729



59, 34.747, 229.892



19, 15.721, 225.120

Inverse Universe

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



58, 99.619, 336.407



58, 100.664, 336.802



76, 80.776, 76.114



49, 7.898, 330.185



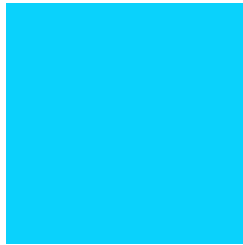
43, 80.467, 336.618



11, 37.021, 335.380

Previews

White Background



This preview shows how the CIE LCh color 78, 42.970, 229.147 looks on a white background.

Color Contrast Check

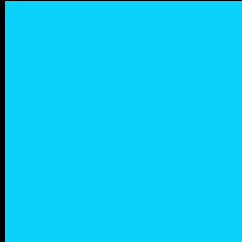
Large Text (above 18pt) WCAG AA × Fail

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 78, 42.970, 229.147 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 78, 42.970, 229.147

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.970, 229.147.

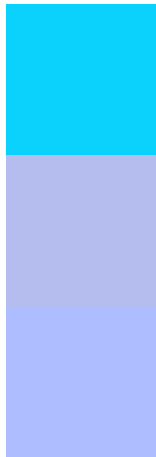


This preview shows how white text looks on a background with the CIELCh color 78, 42.970, 229.147.

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

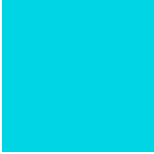
78, 42.970, 229.147

Protanopia

77, 25.853, 285.984

Deuteranopia

78, 35.542, 285.849



Tritanopia
78, 42.203, 209.287

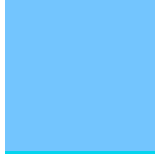
Trichromacy



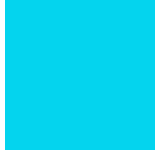
Original Color
78, 42.970, 229.147



Protanomaly
76, 32.109, 247.763



Deuteranomaly
77, 36.854, 255.389

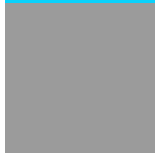


Tritanomaly
78, 41.948, 216.476

Monochromacy



Original Color
78, 42.970, 229.147



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 23.893, 218.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.970, 229.147 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(10, 210, 252)` looks like.

```
.text, #text, p{  
    color:rgb(10, 210, 252)  
}
```

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(10, 210, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 210, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.970, 229.147 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(10, 210, 252) }
```

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

```
.border{ border-color:rgb(10, 210, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 210, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 210, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 210, 252);  
box-shadow:4px 4px 4px 4px rgb(10, 210,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.970, 229.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 210, 252) }
```

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

```
.background{ background-color: rgb(10, 210,  
252) }
```

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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