

Converting Colors

CIELCh(78, 42.615, 226.667)

Have a look what the booklet for
CIELCh(78, 42.615, 226.667)
contains.

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Color

CIELCh(78, 42.584, 226.872)

Conversions

Conversions Part 1

Format	Color
Hex	0CD2F9
RGB	12, 210, 249
RGB Percent	5%, 82%, 98%
CMY	0.9548, 0.1750, 0.0220
CMYK	0.95, 0.16, 0.00, 0.02
HSL	190°, 95%, 51%
HSV	190°, 95%, 98%
XYZ	40.4392, 53.2120, 98.0710
YIQ	155.2440, -130.5270, -29.8470

Conversions

Conversions Part 2

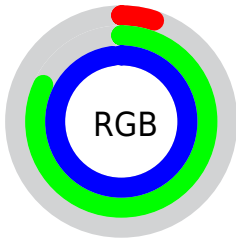
Format	Color
R _{YB}	12, 120, 249
Decimal	840441
CIE Lab	78.00, -29.11, -31.08
CIE LCh	78, 42.584, 226.872
Yxy	53.2120, 0.2109, 0.2775
Android (android.graphics.Color)	4279030521 (0xFF0CD2F9)
YUV	155.2440, 46.2217, -125.6250
Hunter-Lab	72.9466, -28.7020, -28.6482

Details

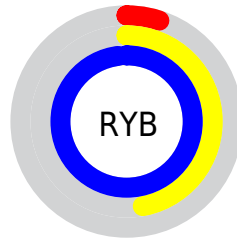
The CIELCh color **78, 42.584, 226.872** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **55, 96.390, 41.990**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **59, 35.384, 234.086** is the 20% darker color. If you saturate the color by 10%, you get **77, 42.814, 228.363**, and if you desaturate by 10%, it is **79, 41.730, 223.948**.

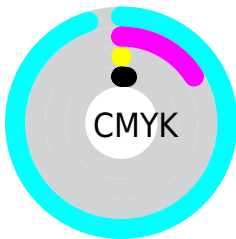
Distribution



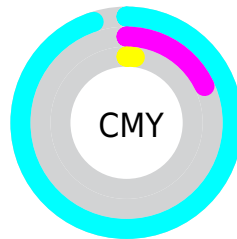
- Red (5%)
- Green (82%)
- Blue (98%)



- Red (5%)
- Yellow (47%)
- Blue (98%)



- Cyan (95%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)





- Cyan (95%)
- Magenta (18%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 42.584, 226.872 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, 42.584, 226.872 by changing the saturation by 10% instead.


 78, 42.584,
226.872


 78, 42.584,
226.872


 100, 42.584,
226.872


 68, 42.584,
226.872


 98, 42.584,
226.872

 58, 42.584,
226.872

 48, 42.584,
226.872

 38, 42.584,
226.872

 28, 42.584,
226.872

 18, 42.584,
226.872

 8, 42.584, 226.872

0, 42.584, 226.872

78, 42.584,
226.872

78, 42.584,
226.872

77, 42.814,
228.363

79, 41.730,
223.948

81, 40.052,
221.584

83, 37.431,
219.729

85, 33.841,
218.313

87, 29.323,
217.260

89, 23.966,
216.506

■ 91, 17.883,
215.993

■ 94, 11.197,
215.680

■ 97, 4.025, 215.598

Harmonies

Complementary

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



78, 42.584, 226.872



55, 96.390, 41.990

Rectangle

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



78, 42.584, 226.872



78, 42.584, 276.872



78, 42.584, 46.872



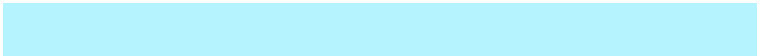
78, 42.584, 96.872

Sweetspot

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



78, 42.583, 226.872



92, 20.525, 216.155



86, 111.917, 137.914



48, 13.846, 216.381



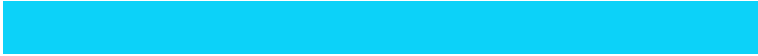
0, 0.000, 0.000



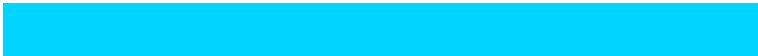
53, 0.007, 296.813

Same Dimension

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



78, 42.583, 226.872



79, 43.543, 228.406



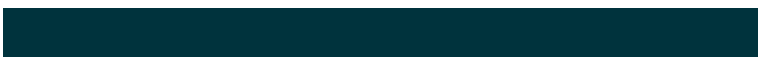
46, 90.730, 294.703



51, 4.214, 215.590



60, 34.719, 227.750



19, 15.747, 223.272

Inverse Universe

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



57, 99.520, 335.813



58, 101.431, 336.228



75, 79.894, 74.701



49, 7.953, 329.854



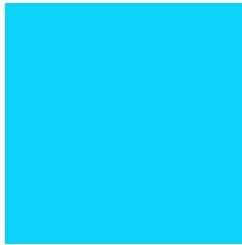
43, 81.069, 336.057



11, 37.266, 334.912

Previews

White Background



This preview shows how the CIE LCh color 78, 42.584, 226.872 looks on a white background.

Color Contrast Check

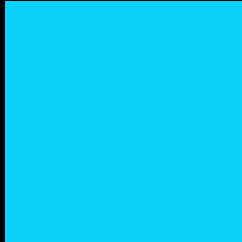
Large Text (above 18pt) WCAG AA × Fail

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, 42.584, 226.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

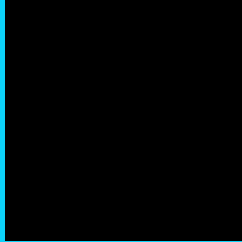
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 42.584, 226.872

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.584, 226.872.



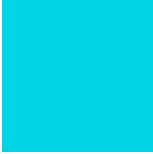
This preview shows how white text looks on a background with the CIELCh color 78, 42.584, 226.872.

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
78, 42.203, 209.287

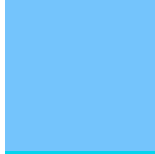
Trichromacy



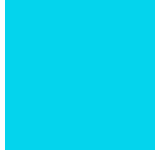
Original Color
78, 42.522, 226.923



Protanomaly
76, 31.294, 246.454



Deuteranomaly
76, 36.244, 255.382

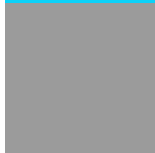


Tritanomaly
78, 41.921, 215.688

Monochromacy



Original Color
78, 42.522, 226.923



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 23.566, 217.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.584, 226.872 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(12, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(12, 210, 249)  
}
```

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(12, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 210, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.584, 226.872 is called "border". The border property can be set on classes, ids or directly on the HTML element.

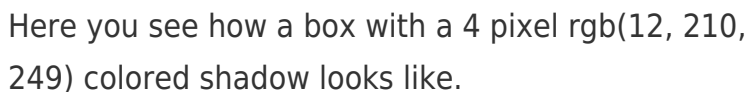
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(12, 210, 249) }
```

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

```
.border{ border-color:rgb(12, 210, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(12, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(12, 210, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(12, 210, 249); box-shadow:4px 4px 4px 4px rgb(12, 210, 249) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.584, 226.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 210, 249) }
```

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

```
.background{ background-color: rgb(12, 210,  
249) }
```

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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