

Converting Colors

CIELCh(78, 42.418, 221.591)

Have a look what the booklet for
CIELCh(78, 42.418, 221.591)
contains.

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Color

CIELCh(78, 42.286, 222.000)

Conversions

Conversions Part 1

Format	Color
Hex	01D3F4
RGB	1, 211, 244
RGB Percent	0%, 83%, 96%
CMY	0.9958, 0.1719, 0.0425
CMYK	1.00, 0.14, 0.00, 0.04
HSL	188°, 99%, 48%
HSV	188°, 100%, 96%
XYZ	39.6976, 53.2120, 93.8909
YIQ	151.9720, -135.7530, -34.2570

Conversions

Conversions Part 2

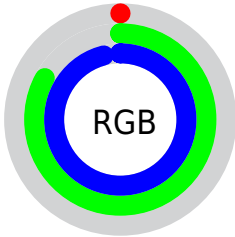
Format	Color
RYB	1, 114, 244
Decimal	119796
CIELab	78.00, -31.42, -28.29
CIELCh	78, 42.286, 222.000
Yxy	53.2120, 0.2125, 0.2849
Android (android.graphics.Color)	4278309876 (0xFF01D3F4)
YUV	151.9720, 45.3698, -132.4024
Hunter-Lab	72.9466, -30.5166, -25.2507

Details

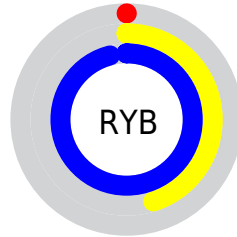
The CIELCh color **78, 42.286, 222.000** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 98.477, 41.494**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **59, 34.635, 229.098** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.299, 222.113**, and if you desaturate by 10%, it is **79, 41.846, 219.496**.

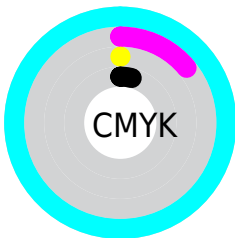
Distribution



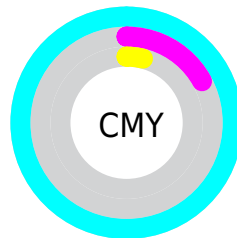
- Red (0%)
- Green (83%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (17%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 42.286, 222.000 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, 42.286, 222.000 by changing the saturation by 10% instead.


 78, 42.286,
222.000

 78, 42.286,
222.000


 100, 42.286,
222.000

 68, 42.286,
222.000


 98, 42.286,
222.000

 58, 42.286,
222.000

 48, 42.286,
222.000

 38, 42.286,
222.000

 28, 42.286,
222.000

 18, 42.286,
222.000

 8, 42.286, 222.000

■ 0, 42.286, 222.000

■ 78, 42.286,
222.000

■ 78, 42.286,
222.000

■ 78, 42.299,
222.113

■ 79, 41.846,
219.496

■ 80, 40.662,
217.435

■ 82, 38.535,
215.817

■ 83, 35.413,
214.589

■ 85, 31.317,
213.689

■ 87, 26.324,
213.062

■ 89, 20.540,
212.658

■ 91, 14.089,
212.439

■ 94, 7.092, 212.390

Harmonies

Complementary

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



78, 42.286, 222.000



52, 98.477, 41.494

Rectangle

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



78, 42.286, 222.000



78, 42.286, 272.000



78, 42.286, 42.000



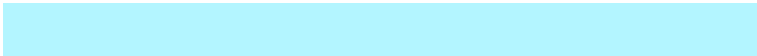
78, 42.286, 92.000

Sweetspot

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



78, 42.285, 222.000



92, 21.550, 212.674



84, 112.613, 137.182



48, 14.447, 212.825



0, 0.000, 0.000



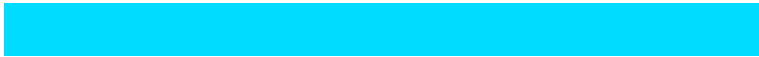
53, 0.007, 296.813

Same Dimension

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



78, 42.285, 222.000



81, 43.710, 222.182



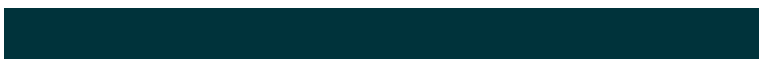
44, 90.855, 295.154



50, 4.226, 212.390



61, 34.534, 221.624



19, 15.481, 217.848

Inverse Universe

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



56, 100.334, 334.590



58, 103.698, 334.638



71, 79.753, 72.020



48, 7.977, 328.923



43, 82.024, 334.498



10, 36.981, 333.560

Previews

White Background



This preview shows how the CIE LCh color 78, 42.286, 222.000 looks on a white background.

Color Contrast Check

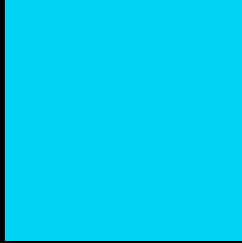
Large Text (above 18pt) WCAG AA × Fail

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, 42.286, 222.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

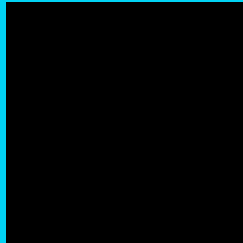
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 42.286, 222.000

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.286, 222.000.

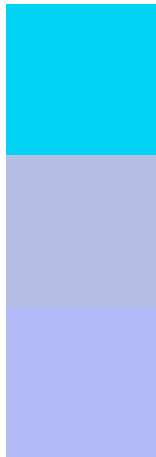


This preview shows how white text looks on a background with the CIELCh color 78, 42.286, 222.000.

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

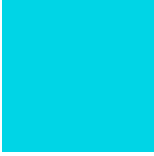
78, 42.265, 222.015

Protanopia

78, 20.997, 285.673

Deuteranopia

78, 32.778, 288.135

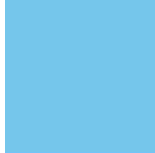


Tritanopia
78, 42.203, 209.287

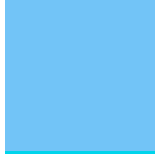
Trichromacy



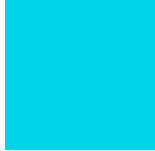
Original Color
78, 42.265, 222.015



Protanomaly
76, 29.941, 240.211



Deuteranomaly
76, 34.622, 251.433

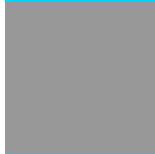


Tritanomaly
78, 41.979, 214.066

Monochromacy



Original Color
78, 42.265, 222.015



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 24.593, 213.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.286, 222.000 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(1, 211, 244)` looks like.

```
.text, #text, p{  
    color:rgb(1, 211, 244)  
}
```

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(1, 211, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 211, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.286, 222.000 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(1, 211, 244) }
```

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

```
.border{ border-color:rgb(1, 211, 244) }
```

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

Here you see how a box with a 4 pixel rgb(1, 211, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 211, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 211, 244);  
box-shadow:4px 4px 4px 4px rgb(1, 211,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.286, 222.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 211, 244) }
```

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

```
.background{ background-color: rgb(1, 211,  
244) }
```

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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