

Converting Colors

CIELCh(81, 43.437, 221.476)

Have a look what the booklet for
CIELCh(81, 43.437, 221.476)
contains.

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Color

CIELCh(81, 43.449, 221.867)

Conversions

Conversions Part 1

Format	Color
Hex	09DCFE
RGB	9, 220, 254
RGB Percent	4%, 86%, 100%
CMY	0.9650, 0.1368, 0.0034
CMYK	0.96, 0.13, 0.00, 0.00
HSL	188°, 99%, 52%
HSV	188°, 96%, 100%
XYZ	43.6452, 58.4711, 102.8558
YIQ	160.7870, -136.6700, -34.1580

Conversions

Conversions Part 2

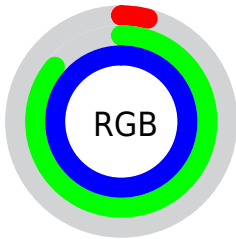
Format	Color
RYB	9, 122, 254
Decimal	646398
CIELab	81.00, -32.36, -29.00
CIELCh	81, 43.449, 221.867
Yxy	58.4711, 0.2129, 0.2853
Android (android.graphics.Color)	4278836478 (0xFF09DCFE)
YUV	160.7870, 45.9540, -133.1172
Hunter-Lab	76.4664, -31.9326, -26.2252

Details

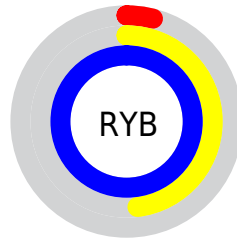
The CIELCh color **81, 43.449, 221.867** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **55, 99.490, 41.336**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **62, 35.851, 227.513** is the 20% darker color. If you saturate the color by 10%, you get **81, 43.558, 222.809**, and if you desaturate by 10%, it is **82, 42.817, 219.401**.

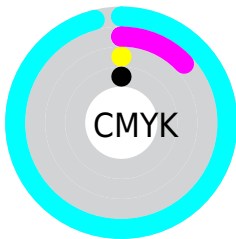
Distribution



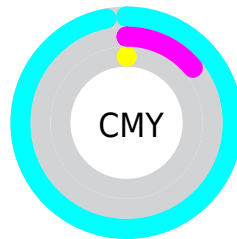
- Red (4%)
- Green (86%)
- Blue (100%)



- Red (4%)
- Yellow (48%)
- Blue (100%)



- Cyan (96%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (14%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 43.449, 221.867 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 81, 43.449, 221.867 by changing the saturation by 10% instead.


 81, 43.449,
221.867


 81, 43.449,
221.867


 100, 43.449,
221.867


 71, 43.449,
221.867

 61, 43.449,
221.867

 51, 43.449,
221.867

 41, 43.449,
221.867

 31, 43.449,
221.867

 21, 43.449,
221.867

 11, 43.449,

221.867

■ 1, 43.449, 221.867

■ 0, 43.449, 221.867

■ 81, 43.449,
221.867

■ 81, 43.449,
221.867

■ 81, 43.558,
222.809

■ 82, 42.817,
219.401

■ 84, 41.315,
217.418

■ 85, 38.817,
215.875

■ 87, 35.292,
214.713

■ 89, 30.782,

213.869

■ 91, 25.376,
213.289

■ 93, 19.192,
212.924

■ 95, 12.358,
212.738

■ 98, 5.000, 212.745

Harmonies

Complementary

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



81, 43.449, 221.867



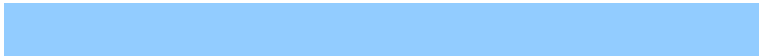
55, 99.490, 41.336

Rectangle

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



81, 43.449, 221.867



81, 43.449, 271.867



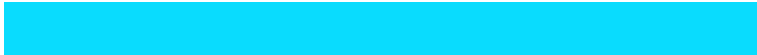
81, 43.449, 41.867



81, 43.449, 91.867

Sweetspot

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



81, 43.448, 221.867



93, 20.870, 212.998



88, 114.873, 137.479



48, 14.074, 213.150



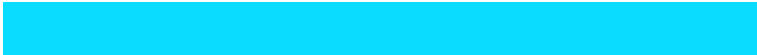
0, 0.000, 0.000



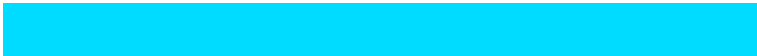
53, 0.007, 296.813

Same Dimension

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



81, 43.448, 221.867



81, 43.671, 222.815



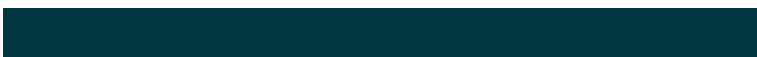
47, 90.729, 294.116



52, 4.360, 212.713



62, 35.200, 222.298



20, 16.305, 218.766

Inverse Universe

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



58, 102.982, 334.545



58, 103.461, 334.797



75, 81.344, 72.804



50, 8.232, 329.020



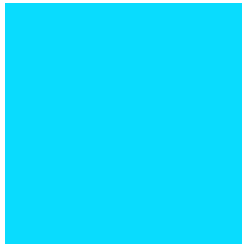
44, 83.487, 334.667



12, 38.909, 333.787

Previews

White Background



This preview shows how the CIE LCh color 81, 43.449, 221.867 looks on a white background.

Color Contrast Check

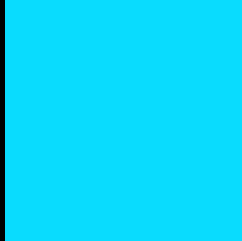
Large Text (above 18pt) WCAG AA × Fail

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 81, 43.449, 221.867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

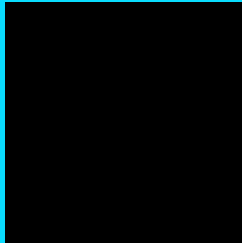
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 43.449, 221.867

Background



This preview shows how black text looks on a background with the CIELCh color 81, 43.449, 221.867.

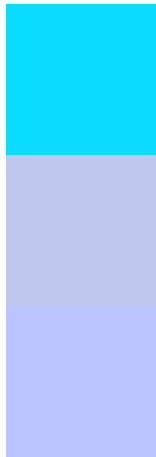


This preview shows how white text looks on a background with the CIELCh color 81, 43.449, 221.867.

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

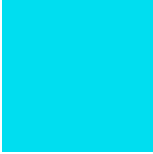
81, 43.429, 221.881

Protanopia

81, 21.366, 285.798

Deuteranopia

80, 31.460, 288.285



Tritanopia
81, 43.525, 209.532

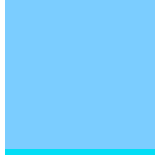
Trichromacy



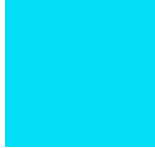
Original Color
81, 43.429, 221.881



Protanomaly
79, 30.213, 240.763



Deuteranomaly
79, 34.210, 250.209



Tritanomaly
81, 43.247, 214.161

Monochromacy



Original Color
81, 43.429, 221.881



Achromatopsia
66, 0.008, 296.813



Achromatomaly
70, 24.459, 214.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 43.449, 221.867 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(9, 220, 254)` looks like.

```
.text, #text, p{  
    color:rgb(9, 220, 254)  
}
```

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(9, 220, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 220, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 43.449, 221.867 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(9, 220, 254) }
```

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

```
.border{ border-color:rgb(9, 220, 254) }
```

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

Here you see how a box with a 4 pixel rgb(9, 220, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 220, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 220, 254);  
box-shadow:4px 4px 4px 4px rgb(9, 220,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 43.449, 221.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 220, 254) }
```

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

```
.background{ background-color: rgb(9, 220,  
254) }
```

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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