

Converting Colors

CIELCh(81, 43.236, 222.818)

Have a look what the booklet for
CIELCh(81, 43.236, 222.818)
contains.

CIELCh(81, 43.267, 222.797)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(81, 43.267, 222.797)

Conversions

Conversions Part 1

Format	Color
Hex	13DCFF
RGB	19, 220, 255
RGB Percent	7%, 86%, 100%
CMY	0.9274, 0.1377, 0.0005
CMYK	0.93, 0.14, 0.00, 0.00
HSL	189°, 100%, 54%
HSV	189°, 93%, 100%
XYZ	43.8521, 58.4711, 103.4824
YIQ	163.8910, -131.0310, -31.7270

Conversions

Conversions Part 2

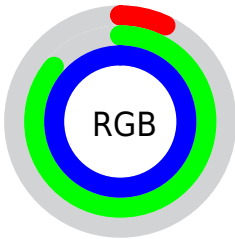
Format	Color
RYB	19, 128, 255
Decimal	1301759
CIELab	81.00, -31.75, -29.40
CIELCh	81, 43.267, 222.797
Yxy	58.4711, 0.2131, 0.2841
Android (android.graphics.Color)	4279491839 (0xFF13DCFF)
YUV	163.8910, 44.9167, -127.0694
Hunter-Lab	76.4664, -31.4497, -26.7110

Details

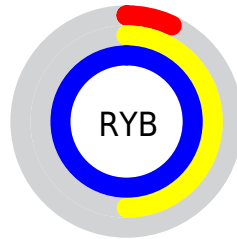
The CIELCh color **81, 43.267, 222.797** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **56, 96.656, 41.426**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **62, 35.992, 228.451** is the 20% darker color. If you saturate the color by 10%, you get **80, 43.565, 224.875**, and if you desaturate by 10%, it is **82, 42.289, 220.327**.

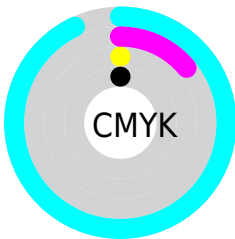
Distribution



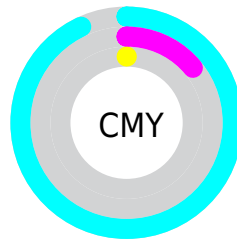
- Red (7%)
- Green (86%)
- Blue (100%)



- Red (7%)
- Yellow (50%)
- Blue (100%)



- Cyan (93%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (93%)
- Magenta (14%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 43.267, 222.797 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, 43.267, 222.797 by changing the saturation by 10% instead.


 81, 43.267,
222.797


 81, 43.267,
222.797


 100, 43.267,
222.797


 71, 43.267,
222.797

 61, 43.267,
222.797

 51, 43.267,
222.797

 41, 43.267,
222.797

 31, 43.267,
222.797

 21, 43.267,
222.797

 11, 43.267,

222.797

■ 1, 43.267, 222.797

■ 0, 43.267, 222.797

■ 81, 43.267,
222.797

■ 81, 43.267,
222.797

■ 80, 43.565,
224.875

■ 82, 42.289,
220.327

■ 84, 40.397,
218.360

■ 85, 37.500,
216.840

■ 87, 33.595,
215.700

■ 89, 28.744,

214.876

■ 92, 23.046,
214.311

■ 94, 16.626,
213.956

■ 97, 9.609, 213.782

■ 99, 2.116, 213.951

Harmonies

Complementary

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



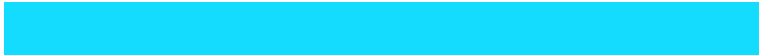
81, 43.267, 222.797



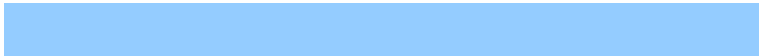
56, 96.656, 41.426

Rectangle

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



81, 43.267, 222.797



81, 43.267, 272.797



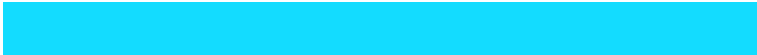
81, 43.267, 42.797



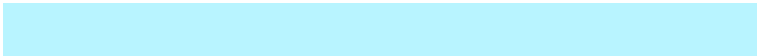
81, 43.267, 92.797

Sweetspot

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



81, 43.266, 222.797



93, 20.098, 214.119



88, 113.304, 137.938



48, 13.639, 214.292



0, 0.000, 0.000



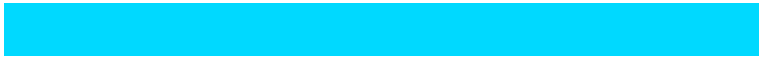
53, 0.007, 296.813

Same Dimension

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



81, 43.266, 222.797



80, 43.580, 224.876



49, 87.108, 292.684



52, 4.331, 213.768



62, 35.117, 224.319



20, 16.243, 220.508

Inverse Universe

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



59, 102.134, 334.761



58, 102.700, 335.318



76, 80.346, 73.832



50, 8.177, 329.326



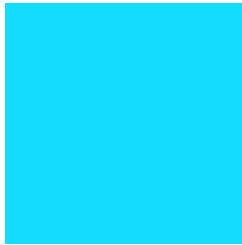
44, 82.883, 335.177



12, 38.660, 334.219

Previews

White Background



This preview shows how the CIE LCh color 81, 43.267, 222.797 looks on a white background.

Color Contrast Check

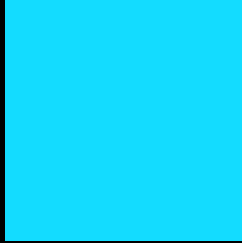
Large Text (above 18pt) WCAG AA × Fail

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, 43.267, 222.797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

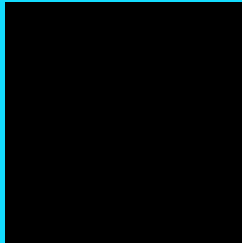
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 43.267, 222.797

Background



This preview shows how black text looks on a background with the CIELCh color 81, 43.267, 222.797.

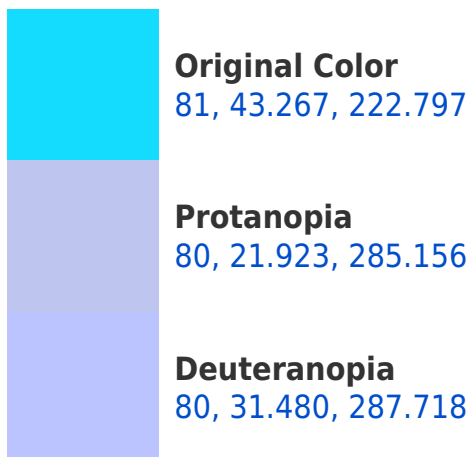


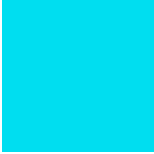
This preview shows how white text looks on a background with the CIELCh color 81, 43.267, 222.797.

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
81, 43.525, 209.532

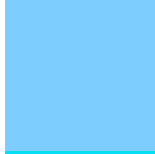
Trichromacy



Original Color
81, 43.267, 222.797



Protanomaly
79, 29.997, 242.599



Deuteranomaly
79, 33.799, 251.116

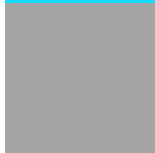


Tritanomaly
81, 43.160, 214.201

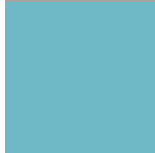
Monochromacy



Original Color
81, 43.267, 222.797



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 23.746, 215.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 43.267, 222.797 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(19, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 220, 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(19, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 220, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 43.267, 222.797 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(19, 220, 255) }
```

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

```
.border{ border-color:rgb(19, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(19, 220,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 43.267, 222.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 220, 255) }
```

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

```
.background{ background-color: rgb(19, 220,  
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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