

Converting Colors

CIELCh(81, 42.963, 221.581)

Have a look what the booklet for
CIELCh(81, 42.963, 221.581)
contains.

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Color

CIELCh(81, 42.931, 221.407)

Conversions

Conversions Part 1

Format	Color
Hex	18DCFD
RGB	24, 220, 253
RGB Percent	9%, 86%, 99%
CMY	0.9058, 0.1373, 0.0078
CMYK	0.91, 0.13, 0.00, 0.01
HSL	189°, 98%, 54%
HSV	189°, 91%, 99%
XYZ	43.6984, 58.4711, 101.9101
YIQ	165.1580, -127.4090, -31.2890

Conversions

Conversions Part 2

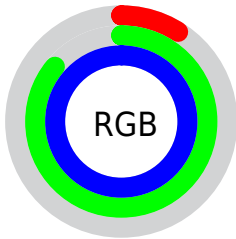
Format	Color
R_{YB}	24, 130, 253
Decimal	1629437
CIE _{Lab}	81.00, -32.20, -28.39
CIE _{LCh}	81, 42.931, 221.407
Yxy	58.4711, 0.2141, 0.2865
Android (android.graphics.Color)	4279819517 (0xFF18DCFD)
YUV	165.1580, 43.3061, -123.7956
Hunter-Lab	76.4664, -31.8084, -25.4919

Details

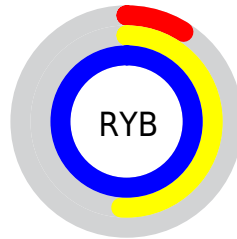
The CIELCh color **81, 42.931, 221.407** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **56, 94.314, 41.112**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **62, 35.720, 226.568** is the 20% darker color. If you saturate the color by 10%, you get **80, 43.353, 223.995**, and if you desaturate by 10%, it is **82, 41.782, 219.130**.

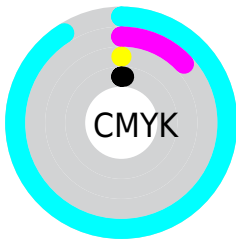
Distribution



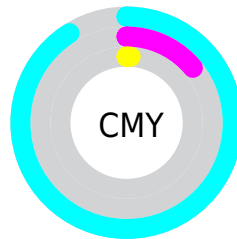
- Red (9%)
- Green (86%)
- Blue (99%)



- Red (9%)
- Yellow (51%)
- Blue (99%)



- Cyan (91%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)





- Cyan (91%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 42.931, 221.407 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, 42.931, 221.407 by changing the saturation by 10% instead.


 81, 42.931,
221.407


 81, 42.931,
221.407


 100, 42.931,
221.407


 71, 42.931,
221.407

 61, 42.931,
221.407

 51, 42.931,
221.407

 41, 42.931,
221.407

 31, 42.931,
221.407

 21, 42.931,
221.407

 11, 42.931,

221.407

■ 1, 42.931, 221.407

■ 0, 42.931, 221.407

■ 81, 42.931,
221.407

■ 81, 42.931,
221.407

■ 80, 43.353,
223.995

■ 82, 41.782,
219.130

■ 84, 39.688,
217.332

■ 85, 36.583,
215.955

■ 87, 32.479,
214.934

■ 89, 27.450,

214.208

■ 92, 21.602,
213.722

■ 94, 15.060,
213.434

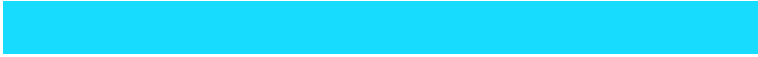
■ 96, 7.950, 213.323

■ 99, 0.391, 214.894

Harmonies

Complementary

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



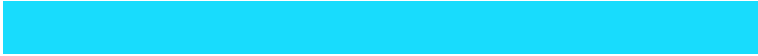
81, 42.931, 221.407



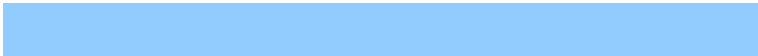
56, 94.314, 41.112

Rectangle

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



81, 42.931, 221.407



81, 42.931, 271.407



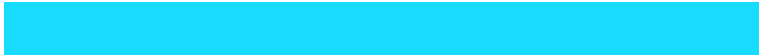
81, 42.931, 41.407



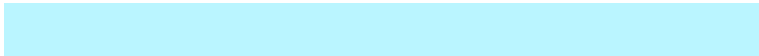
81, 42.931, 91.407

Sweetspot

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



81, 42.930, 221.407



93, 19.506, 213.601



87, 111.401, 138.234



49, 12.971, 213.720



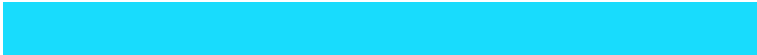
0, 0.000, 0.000



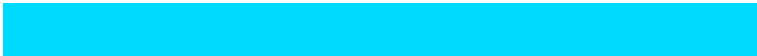
53, 0.007, 296.813

Same Dimension

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



81, 42.930, 221.407



80, 43.612, 224.008



50, 84.315, 291.808



52, 4.343, 213.323



62, 35.147, 223.468



20, 16.268, 219.774

Inverse Universe

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



59, 101.467, 334.397



58, 103.018, 335.098



76, 78.971, 74.407



50, 8.200, 329.197



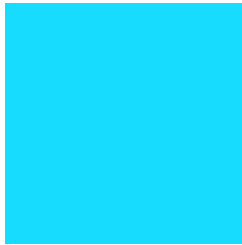
44, 83.136, 334.961



12, 38.764, 334.037

Previews

White Background



This preview shows how the CIE LCh color 81, 42.931, 221.407 looks on a white background.

Color Contrast Check

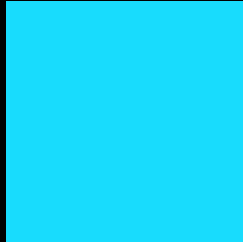
Large Text (above 18pt) WCAG AA × Fail

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, 42.931, 221.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

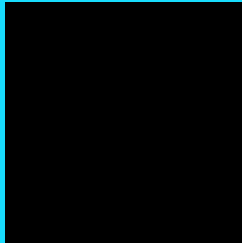
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 42.931, 221.407

Background



This preview shows how black text looks on a background with the CIELCh color 81, 42.931, 221.407.



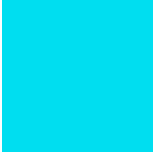
This preview shows how white text looks on a background with the CIELCh color 81, 42.931, 221.407.

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

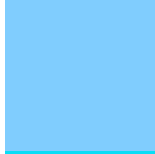
Trichromacy



Original Color
81, 42.931, 221.407



Protanomaly
79, 29.060, 241.442



Deuteranomaly
79, 33.162, 251.025

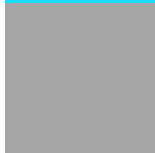


Tritanomaly
81, 43.117, 214.222

Monochromacy



Original Color
81, 42.931, 221.407



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 23.185, 214.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 42.931, 221.407 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(24, 220, 253)` looks like.

```
.text, #text, p{  
    color:rgb(24, 220, 253)  
}
```

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(24, 220, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 220, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 42.931, 221.407 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(24, 220, 253) }
```

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

```
.border{ border-color:rgb(24, 220, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 220, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 220, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 220, 253);  
box-shadow:4px 4px 4px 4px rgb(24, 220,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 42.931, 221.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 220, 253) }
```

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

```
.background{ background-color: rgb(24, 220,  
253) }
```

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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