

Converting Colors

CIELCh(81, 39.655, 229.353)

Have a look what the booklet for
CIELCh(81, 39.655, 229.353)
contains.

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Color

CIELCh(81, 39.479, 228.514)

Conversions

Conversions Part 1

Format	Color
Hex	49D9FF
RGB	73, 217, 255
RGB Percent	29%, 85%, 100%
CMY	0.7118, 0.1477, 0.0000
CMYK	0.71, 0.15, 0.00, 0.00
HSL	192°, 100%, 64%
HSV	192°, 71%, 100%
XYZ	45.7851, 58.4711, 103.7648
YIQ	178.2760, -98.0220, -18.7100

Conversions

Conversions Part 2

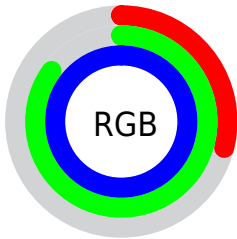
Format	Color
R_{YB}	73, 153, 255
Decimal	4839935
CIE _{Lab}	81.00, -26.15, -29.57
CIE _{LCh}	81, 39.479, 228.514
Yxy	58.4711, 0.2201, 0.2811
Android (android.graphics.Color)	4283030015 (0xFF49D9FF)
YUV	178.2760, 37.8249, -92.3271
Hunter-Lab	76.4664, -26.9374, -26.9300

Details

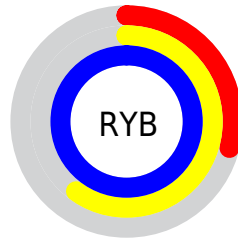
The CIELCh color **81, 39.479, 228.514** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **64, 70.811, 42.065**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.553, 197.356**, and **62, 36.080, 231.780** is the 20% darker color. If you saturate the color by 10%, you get **79, 41.761, 231.069**, and if you desaturate by 10%, it is **83, 36.205, 226.014**.

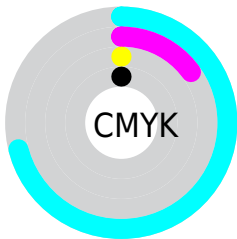
Distribution



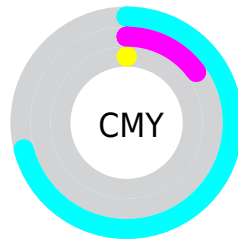
- Red (29%)
- Green (85%)
- Blue (100%)



- Red (29%)
- Yellow (60%)
- Blue (100%)



- Cyan (71%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 39.479, 228.514 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, 39.479, 228.514 by changing the saturation by 10% instead.

■ 81, 39.479,
228.514

■ 81, 39.479,
228.514

■ 100, 39.479,
228.514

■ 71, 39.479,
228.514

■ 61, 39.479,
228.514

■ 51, 39.479,
228.514

■ 41, 39.479,
228.514

■ 31, 39.479,
228.514

■ 21, 39.479,
228.514

■ 11, 39.479,

228.514

■ 1, 39.479, 228.514

■ 0, 39.479, 228.514

■ 81, 39.479,
228.514

■ 81, 39.479,
228.514

■ 79, 41.761,
231.069

■ 83, 36.205,
226.014

■ 77, 43.307,
234.547

■ 85, 32.087,
224.285

■ 76, 44.228,
238.098


■ 88, 27.125,
222.970

■ 91, 21.413,
221.992

■ 94, 15.061,

221.286

 97, 8.184, 220.811

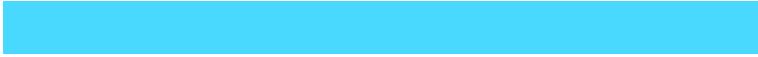
 100, 0.888,
221.115

100, 0.012,
296.813

Harmonies

Complementary

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



81, 39.479, 228.514



64, 70.811, 42.065

Rectangle

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



81, 39.479, 228.514



81, 39.479, 278.514



81, 39.479, 48.514



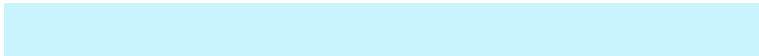
81, 39.479, 98.514

Sweetspot

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



81, 39.427, 228.246



94, 14.940, 221.275



89, 92.207, 142.910



49, 10.022, 221.445



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, 39.427, 228.246



78, 42.436, 232.318



56, 72.523, 289.142



52, 4.179, 220.756



58, 35.544, 237.314



19, 16.176, 231.855

Inverse Universe

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



63, 88.628, 335.900



59, 96.126, 337.188



84, 68.190, 83.963



50, 7.841, 331.365



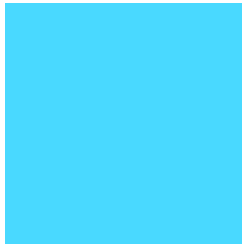
43, 79.236, 338.649



11, 37.138, 337.140

Previews

White Background



This preview shows how the CIE LCh color 81, 39.479, 228.514 looks on a white background.

Color Contrast Check

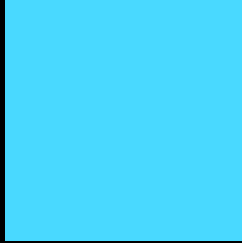
Large Text (above 18pt) WCAG AA × Fail

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, 39.479, 228.514 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, 39.479, 228.514

Background



This preview shows how black text looks on a background with the CIELCh color 81, 39.479, 228.514.

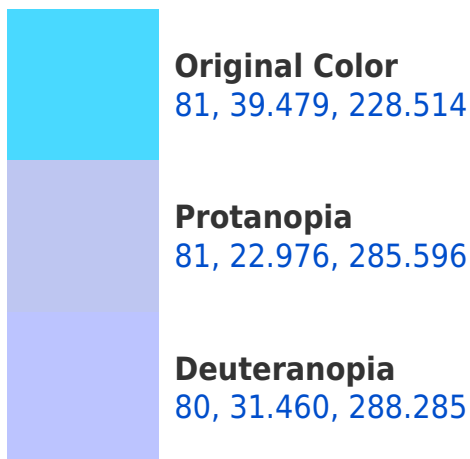


This preview shows how white text looks on a background with the CIELCh color 81, 39.479, 228.514.

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, 39.701, 211.027

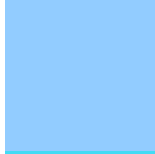
Trichromacy



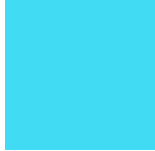
Original Color
81, 39.479, 228.514



Protanomaly
80, 27.217, 252.509



Deuteranomaly
80, 31.385, 259.394

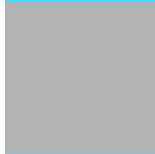


Tritanomaly
81, 39.246, 217.096

Monochromacy



Original Color
81, 39.479, 228.514



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 18.432, 222.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 39.479, 228.514 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(73, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(73, 217, 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(73, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 217, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 39.479, 228.514 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(73, 217, 255) }
```

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

```
.border{ border-color:rgb(73, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(73, 217,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 39.479, 228.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 217, 255) }
```

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

```
.background{ background-color: rgb(73, 217,  
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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