

Converting Colors

CIELCh(81, 38.368, 224.991)

Have a look what the booklet for
CIELCh(81, 38.368, 224.991)
contains.

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Color

CIELCh(81, 38.372, 224.822)

Conversions

Conversions Part 1

Format	Color
Hex	4DDAFB
RGB	77, 218, 251
RGB Percent	30%, 85%, 98%
CMY	0.6962, 0.1467, 0.0173
CMYK	0.69, 0.13, 0.00, 0.02
HSL	191°, 95%, 64%
HSV	191°, 69%, 98%
XYZ	45.4129, 58.4711, 99.8210
YIQ	179.6030, -94.6290, -19.6290

Conversions

Conversions Part 2

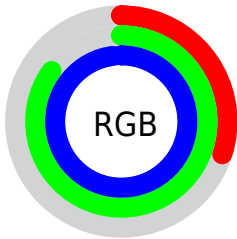
Format	Color
RYB	77, 155, 251
Decimal	5102331
CIELab	81.00, -27.22, -27.05
CIELCh	81, 38.372, 224.822
Yxy	58.4711, 0.2229, 0.2870
Android (android.graphics.Color)	4283292411 (0xFF4DDAFB)
YUV	179.6030, 35.1987, -89.9828
Hunter-Lab	76.4664, -27.8062, -23.8720

Details

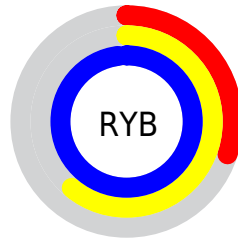
The CIELCh color **81, 38.372, 224.822** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **64, 67.968, 40.718**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.085, 197.384**, and **62, 35.445, 226.899** is the 20% darker color. If you saturate the color by 10%, you get **79, 40.755, 227.260**, and if you desaturate by 10%, it is **83, 35.066, 222.916**.

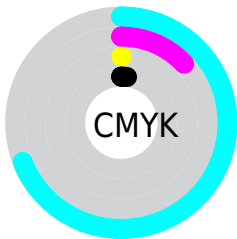
Distribution



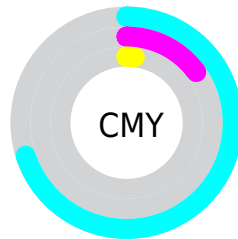
- Red (30%)
- Green (85%)
- Blue (98%)



- Red (30%)
- Yellow (61%)
- Blue (98%)



- Cyan (69%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)





- Cyan (70%)
- Magenta (15%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 38.372, 224.822 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, 38.372, 224.822 by changing the saturation by 10% instead.


 81, 38.372,
224.822


 81, 38.372,
224.822


 100, 38.372,
224.822


 71, 38.372,
224.822

 61, 38.372,
224.822

 51, 38.372,
224.822

 41, 38.372,
224.822

 31, 38.372,
224.822

 21, 38.372,
224.822

 11, 38.372,

224.822

■ 1, 38.372, 224.822

■ 0, 38.372, 224.822

■ 81, 38.372,
224.822

■ 81, 38.372,
224.822

■ 79, 40.755,
227.260

■ 83, 35.066,
222.916

■ 77, 42.287,
230.304

■ 85, 30.852,
221.459

■ 76, 43.171,
233.946

■ 88, 25.796,
220.371

■ 76, 43.244,
234.289

■ 90, 20.001,
219.580

■ 93, 13.581,

219.032

■ 96, 6.651, 218.701

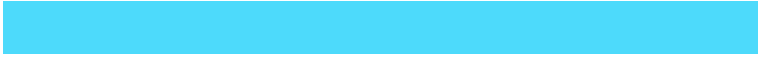
■ 99, 0.681, 37.419

■ 100, 2.225,
109.977

Harmonies

Complementary

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



81, 38.372, 224.822



64, 67.968, 40.718

Rectangle

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



81, 38.372, 224.822



81, 38.372, 274.822



81, 38.372, 44.822



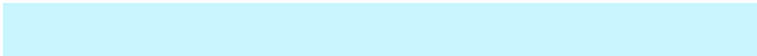
81, 38.372, 94.822

Sweetspot

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



81, 38.371, 224.821



94, 15.062, 219.121



88, 89.882, 142.750



49, 10.102, 219.262



0, 0.000, 0.000



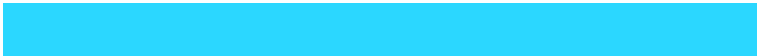
53, 0.007, 296.813

Same Dimension

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



81, 38.371, 224.821



80, 42.013, 228.398



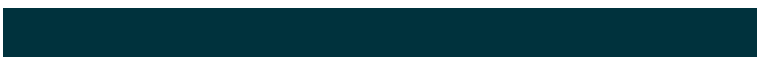
57, 67.493, 287.338



51, 4.147, 218.710



58, 34.898, 233.563



18, 15.710, 228.306

Inverse Universe

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



62, 86.794, 334.950



60, 96.519, 336.120



82, 64.950, 82.929



49, 7.805, 330.763



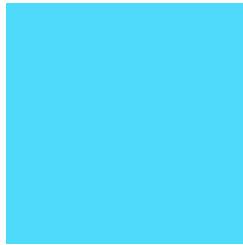
43, 79.456, 337.603



11, 36.608, 336.201

Previews

White Background



This preview shows how the CIE LCh color 81, 38.372, 224.822 looks on a white background.

Color Contrast Check

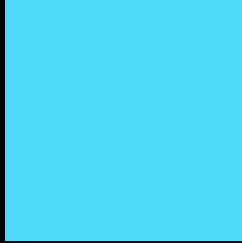
Large Text (above 18pt) WCAG AA × Fail

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, 38.372, 224.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

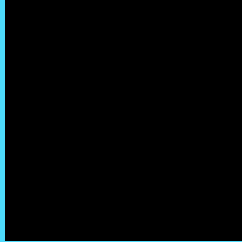
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 38.372, 224.822

Background



This preview shows how black text looks on a background with the CIELCh color 81, 38.372, 224.822.



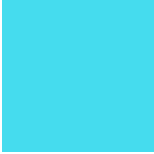
This preview shows how white text looks on a background with the CIELCh color 81, 38.372, 224.822.

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



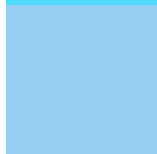


Tritanopia
81, 38.896, 211.372

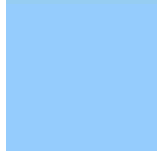
Trichromacy



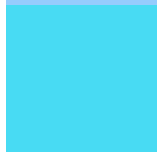
Original Color
81, 38.493, 224.721



Protanomaly
80, 25.395, 249.979



Deuteranomaly
80, 30.157, 259.369

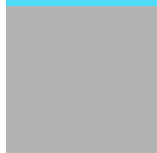


Tritanomaly
81, 38.500, 216.674

Monochromacy



Original Color
81, 38.493, 224.721



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 17.867, 219.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 38.372, 224.822 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(77, 218, 251)` looks like.

```
.text, #text, p{  
    color:rgb(77, 218, 251)  
}
```

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(77, 218, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 218, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 38.372, 224.822 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(77, 218, 251) }
```

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

```
.border{ border-color:rgb(77, 218, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 218, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 218, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 218, 251);  
box-shadow:4px 4px 4px 4px rgb(77, 218,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 38.372, 224.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 218, 251) }
```

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

```
.background{ background-color: rgb(77, 218,  
251) }
```

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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