

Converting Colors

CIELCh(81, 39.798, 221.433)

Have a look what the booklet for
CIELCh(81, 39.798, 221.433)
contains.

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Color

CIELCh(81, 39.793, 221.040)

Conversions

Conversions Part 1

Format	Color
Hex	40DBF9
RGB	64, 219, 249
RGB Percent	25%, 86%, 98%
CMY	0.7502, 0.1419, 0.0243
CMYK	0.74, 0.12, 0.00, 0.02
HSL	190°, 94%, 61%
HSV	190°, 74%, 98%
XYZ	44.4451, 58.4711, 98.4079
YIQ	176.0750, -102.0100, -23.5300

Conversions

Conversions Part 2

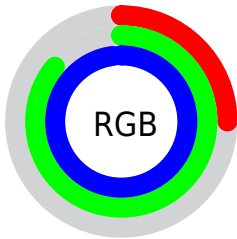
Format	Color
R _{YB}	64, 148, 249
Decimal	4250617
CIE _{Lab}	81.00, -30.01, -26.13
CIE _{LCh}	81, 39.793, 221.040
Y _{xy}	58.4711, 0.2208, 0.2904
Android (android.graphics.Color)	4282440697 (0xFF40DBF9)
YUV	176.0750, 35.9520, -98.2898
Hunter-Lab	76.4664, -30.0653, -22.7764

Details

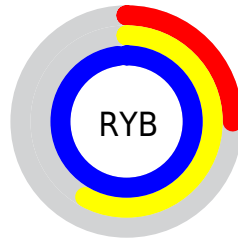
The CIELCh color **81, 39.793, 221.040** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **60, 74.947, 39.629**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 34.920, 197.274**, and **62, 35.235, 223.846** is the 20% darker color. If you saturate the color by 10%, you get **79, 41.549, 223.316**, and if you desaturate by 10%, it is **83, 37.084, 219.259**.

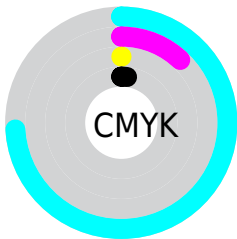
Distribution



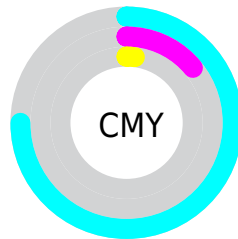
- Red (25%)
- Green (86%)
- Blue (98%)



- Red (25%)
- Yellow (58%)
- Blue (98%)



- Cyan (74%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (75%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 39.793, 221.040 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, 39.793, 221.040 by changing the saturation by 10% instead.

■ 81, 39.793,
221.040

■ 81, 39.793,
221.040

■ 100, 39.793,
221.040

■ 71, 39.793,
221.040

■ 61, 39.793,
221.040

■ 51, 39.793,
221.040

■ 41, 39.793,
221.040

■ 31, 39.793,
221.040

■ 21, 39.793,
221.040

■ 11, 39.793,

221.040

■ 1, 39.793, 221.040

■ 0, 39.793, 221.040

■ 81, 39.793,
221.040

■ 81, 39.793,
221.040

■ 79, 41.549,
223.316

■ 83, 37.084,
219.259

■ 78, 42.461,
226.144

■ 85, 33.407,
217.905

■ 77, 42.736,
227.925

■ 87, 28.808,
216.903

■ 89, 23.380,
216.190

■ 91, 17.238,

215.712

■ 94, 10.503,
215.430

■ 97, 3.293, 215.401

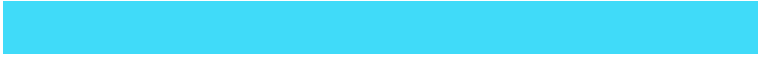
■ 99, 1.784, 59.078

■ 100, 3.129,
109.920

Harmonies

Complementary

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



81, 39.793, 221.040



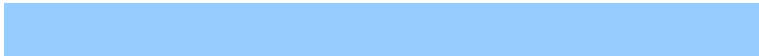
60, 74.947, 39.629

Rectangle

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



81, 39.793, 221.040



81, 39.793, 271.040



81, 39.793, 41.040



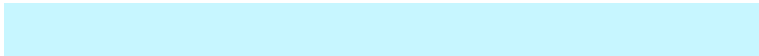
81, 39.793, 91.040

Sweetspot

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



81, 39.792, 221.039



94, 15.988, 215.628



87, 96.621, 140.993



49, 10.642, 215.725



0, 0.000, 0.000



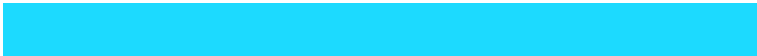
53, 0.007, 296.813

Same Dimension

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



81, 39.792, 221.039



81, 42.865, 224.581



56, 69.064, 286.861



51, 4.219, 215.365



60, 34.719, 227.324



19, 15.754, 222.906

Inverse Universe

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



61, 91.916, 334.087



59, 100.426, 335.188



79, 67.966, 79.206



49, 7.964, 329.788



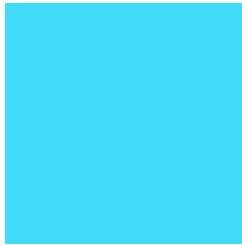
43, 81.190, 335.947



11, 37.315, 334.820

Previews

White Background



This preview shows how the CIE LCh color 81, 39.793, 221.040 looks on a white background.

Color Contrast Check

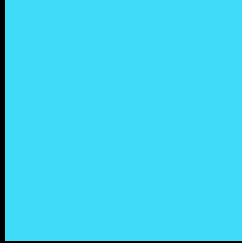
Large Text (above 18pt) WCAG AA × Fail

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, 39.793, 221.040 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, 39.793, 221.040

Background



This preview shows how black text looks on a background with the CIELCh color 81, 39.793, 221.040.



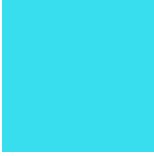
This preview shows how white text looks on a background with the CIELCh color 81, 39.793, 221.040.

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, 40.502, 209.894

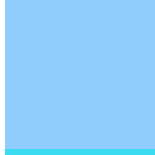
Trichromacy



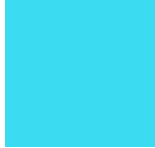
Original Color
81, 39.793, 221.040



Protanomaly
80, 25.101, 243.291



Deuteranomaly
80, 30.417, 256.558

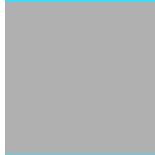


Tritanomaly
81, 40.044, 214.141

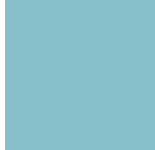
Monochromacy



Original Color
81, 39.793, 221.040



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 19.322, 214.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 39.793, 221.040 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(64, 219, 249)` looks like.

```
.text, #text, p{  
    color:rgb(64, 219, 249)  
}
```

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(64, 219, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 219, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 39.793, 221.040 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(64, 219, 249) }
```

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

```
.border{ border-color:rgb(64, 219, 249) }
```

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

Here you see how a box with a 4 pixel rgb(64, 219, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 219, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 219, 249);  
box-shadow:4px 4px 4px 4px rgb(64, 219,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 39.793, 221.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 219, 249) }
```

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

```
.background{ background-color: rgb(64, 219,  
249) }
```

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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