

Converting Colors

CIELCh(81, 35.638, 234.682)

Have a look what the booklet for
CIELCh(81, 35.638, 234.682)
contains.

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Color

CIELCh(81, 35.701, 234.677)

Conversions

Conversions Part 1

Format	Color
Hex	67D7FF
RGB	103, 215, 255
RGB Percent	40%, 84%, 100%
CMY	0.5977, 0.1583, 0.0015
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.7435, 58.4711, 103.0613
YIQ	186.0720, -79.5920, -11.3040

Conversions

Conversions Part 2

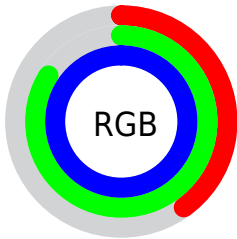
Format	Color
RYB	103, 167, 255
Decimal	6805503
CIELab	81.00, -20.64, -29.13
CIElCh	81, 35.701, 234.677
Yxy	58.4711, 0.2281, 0.2794
Android (android.graphics.Color)	4284995583 (0xFF67D7FF)
YUV	186.0720, 33.9815, -72.8541
Hunter-Lab	76.4664, -22.3658, -26.3845

Details

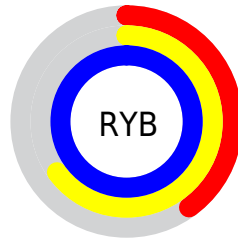
The CIELCh color **81, 35.701, 234.677** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **71, 55.522, 45.658**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **61, 35.676, 234.664** is the 20% darker color. If you saturate the color by 10%, you get **78, 39.403, 237.456**, and if you desaturate by 10%, it is **84, 31.233, 232.473**.

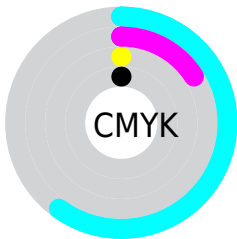
Distribution



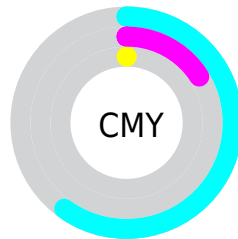
- Red (40%)
- Green (84%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 35.701, 234.677 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, 35.701, 234.677 by changing the saturation by 10% instead.

■ 81, 35.701,
234.677

■ 81, 35.701,
234.677

■ 100, 35.701,
234.677

■ 71, 35.701,
234.677

■ 61, 35.701,
234.677

■ 51, 35.701,
234.677

■ 41, 35.701,
234.677

■ 31, 35.701,
234.677

■ 21, 35.701,
234.677

■ 11, 35.701,

234.677

■ 1, 35.701, 234.677

■ 0, 35.701, 234.677

■ 81, 35.701,
234.677

■ 81, 35.701,
234.677

■ 78, 39.403,
237.456

■ 84, 31.233,
232.473

■ 76, 42.366,
240.901

■ 87, 26.043,
230.751

■ 74, 44.702,
245.056

■ 90, 20.207,
229.419

■ 72, 46.656,
249.816

■ 93, 13.821,
228.405

■ 72, 46.714,

■ 96, 6.985, 227.665

249.954

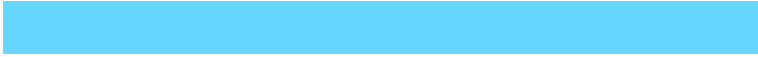
100, 0.107, 73.605

100, 0.178,
109.730

Harmonies

Complementary

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



81, 35.701, 234.677



71, 55.522, 45.658

Rectangle

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



81, 35.701, 234.677



81, 35.701, 284.677



81, 35.701, 54.677



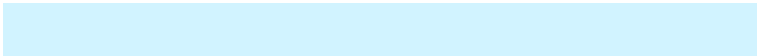
81, 35.701, 104.677

Sweetspot

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



81, 35.700, 234.676



94, 12.697, 228.259



90, 76.833, 146.312



49, 8.752, 228.512



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, 35.700, 234.676



78, 40.191, 238.186



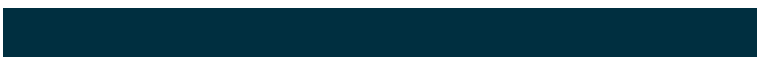
61, 64.205, 288.643



51, 4.097, 227.653



55, 37.449, 249.036



17, 16.648, 242.455

Inverse Universe

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



66, 75.514, 337.437



62, 86.034, 338.695



88, 59.899, 89.578



50, 7.537, 333.433



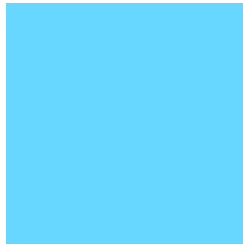
43, 76.159, 342.288



11, 35.824, 340.165

Previews

White Background



This preview shows how the CIELCh color 81, 35.701, 234.677 looks on a white background.

Color Contrast Check

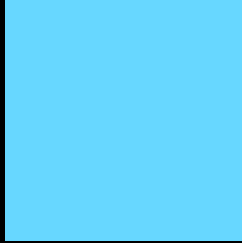
Large Text (above 18pt) WCAG AA × Fail

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, 35.701, 234.677 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, 35.701, 234.677

Background



This preview shows how black text looks on a background with the CIELCh color 81, 35.701, 234.677.




This preview shows how white text looks on a background with the CIELCh color 81, 35.701, 234.677.

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, 34.893, 213.314

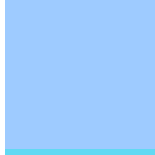
Trichromacy



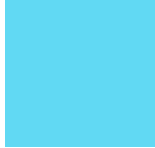
Original Color
81, 35.701, 234.677



Protanomaly
80, 26.399, 259.565



Deuteranomaly
80, 30.281, 265.827

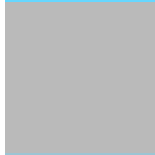


Tritanomaly
81, 34.724, 221.105

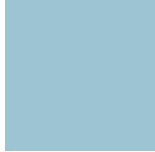
Monochromacy



Original Color
81, 35.701, 234.677



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 15.399, 230.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 35.701, 234.677 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(103, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 215, 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(103, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 215, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 35.701, 234.677 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(103, 215, 255) }
```

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

```
.border{ border-color:rgb(103, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 215, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 215, 255); box-shadow:4px 4px 4px 4px rgb(103, 215, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 35.701, 234.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 215, 255) }
```

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

```
.background{ background-color: rgb(103,  
215, 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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