

Converting Colors

CIELCh(81, 34.242, 233.322)

Have a look what the booklet for
CIELCh(81, 34.242, 233.322)
contains.

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Color

CIELCh(81, 34.348, 234.193)

Conversions

Conversions Part 1

Format	Color
Hex	6CD6FC
RGB	108, 214, 252
RGB Percent	42%, 84%, 99%
CMY	0.5753, 0.1598, 0.0107
CMYK	0.57, 0.15, 0.00, 0.01
HSL	196°, 96%, 71%
HSV	196°, 57%, 99%
XYZ	47.9406, 58.4711, 101.0704
YIQ	186.6380, -75.3740, -10.6540

Conversions

Conversions Part 2

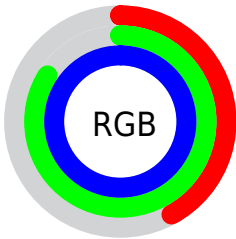
Format	Color
RYB	108, 169, 252
Decimal	7132924
CIELab	81.00, -20.10, -27.86
CIELCh	81, 34.348, 234.193
Yxy	58.4711, 0.2311, 0.2818
Android (android.graphics.Color)	4285323004 (0xFF6CD6FC)
YUV	186.6380, 32.2235, -68.9655
Hunter-Lab	76.4664, -21.9056, -24.8408

Details

The CIELCh color **81, 34.348, 234.193** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **71, 52.133, 45.695**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.023, 197.751**, and **61, 34.276, 234.130** is the 20% darker color. If you saturate the color by 10%, you get **78, 38.232, 236.817**, and if you desaturate by 10%, it is **84, 29.712, 232.119**.

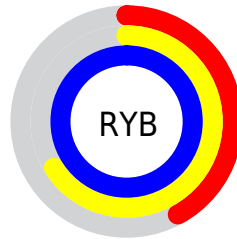
Distribution



Red (42%)

Green (84%)

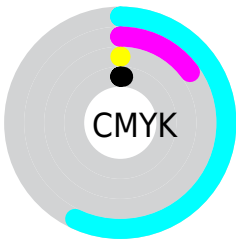
Blue (99%)



Red (42%)

Yellow (66%)

Blue (99%)

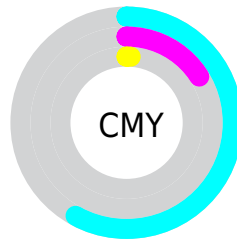


Cyan (57%)

Magenta (15%)

Yellow (0%)

Black (1%)



Cyan (58%)


Magenta (16%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 34.348, 234.193 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, 34.348, 234.193 by changing the saturation by 10% instead.


 81, 34.348,
234.193


 81, 34.348,
234.193


 100, 34.348,
234.193


 71, 34.348,
234.193


 61, 34.348,
234.193

 51, 34.348,
234.193

 41, 34.348,
234.193

 31, 34.348,
234.193

 21, 34.348,
234.193

 11, 34.348,

234.193

■ 1, 34.348, 234.193

■ 0, 34.348, 234.193

■ 81, 34.348,
234.193

■ 81, 34.348,
234.193

■ 78, 38.232,
236.817

■ 84, 29.712,
232.119

■ 76, 41.373,
240.086

■ 87, 24.379,
230.502

■ 74, 43.854,
244.060

■ 90, 18.431,
229.256

■ 71, 45.863,
248.716

■ 93, 11.966,
228.310

■ 71, 46.437,

■ 97, 5.080, 227.646

250.127

100, 1.013, 94.165

100, 1.378,
110.019

Harmonies

Complementary

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



81, 34.348, 234.193



71, 52.133, 45.695

Rectangle

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



81, 34.348, 234.193



81, 34.348, 284.193



81, 34.348, 54.193



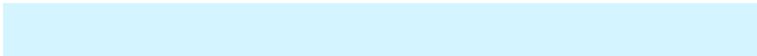
81, 34.348, 104.193

Sweetspot

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



81, 34.347, 234.192



94, 12.021, 228.305



89, 73.302, 146.702



49, 7.997, 228.473



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, 34.347, 234.192



79, 38.884, 237.103



62, 60.656, 287.896



50, 4.029, 227.775



54, 37.110, 249.185



17, 16.197, 242.269

Inverse Universe

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



67, 72.251, 337.232



63, 82.994, 338.313



88, 56.968, 89.945



49, 7.408, 333.469



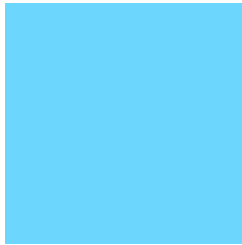
42, 75.364, 342.339



10, 34.903, 340.109

Previews

White Background



This preview shows how the CIE LCh color 81, 34.348, 234.193 looks on a white background.

Color Contrast Check

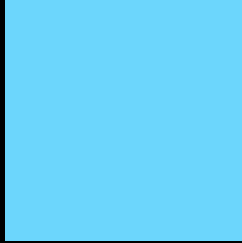
Large Text (above 18pt) WCAG AA × Fail

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, 34.348, 234.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

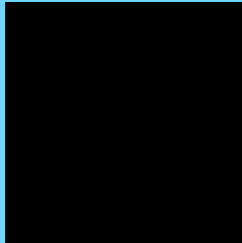
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 34.348, 234.193

Background



This preview shows how black text looks on a background with the CIELCh color 81, 34.348, 234.193.



This preview shows how white text looks on a background with the CIELCh color 81, 34.348, 234.193.

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, 33.467, 214.112

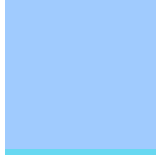
Trichromacy



Original Color
81, 34.348, 234.193



Protanomaly
80, 25.123, 259.743



Deuteranomaly
80, 29.601, 266.250

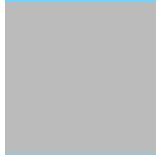


Tritanomaly
81, 33.247, 221.292

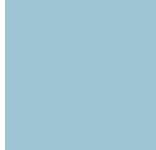
Monochromacy



Original Color
81, 34.348, 234.193



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 14.895, 229.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 34.348, 234.193 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(108, 214, 252)` looks like.

```
.text, #text, p{  
    color:rgb(108, 214, 252)  
}
```

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(108, 214, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 214, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 34.348, 234.193 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(108, 214, 252) }
```

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

```
.border{ border-color:rgb(108, 214, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 214, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 214, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 214, 252);  
box-shadow:4px 4px 4px 4px rgb(108, 214,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 34.348, 234.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 214, 252) }
```

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

```
.background{ background-color: rgb(108,  
214, 252) }
```

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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