

Converting Colors

CIELCh(81, 34.258, 300.429)

Have a look what the booklet for
CIELCh(81, 34.258, 300.429)
contains.

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Color

CIELCh(81, 33.381, 300.289)

Conversions

Conversions Part 1

Format	Color
Hex	CEC1FF
RGB	206, 193, 255
RGB Percent	81%, 76%, 100%
CMY	0.1922, 0.2432, 0.0001
CMYK	0.19, 0.24, 0.00, 0.00
HSL	253°, 100%, 88%
HSV	253°, 24%, 100%
XYZ	62.5626, 58.4711, 102.5828
YIQ	203.9550, -12.1540, 22.0380

Conversions

Conversions Part 2

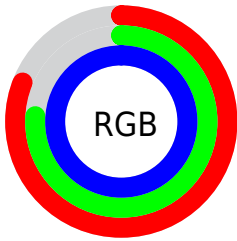
Format	Color
R _{YB}	206, 193, 255
Decimal	13550079
CIE Lab	81.00, 16.84, -28.82
CIE LCh	81, 33.381, 300.289
Yxy	58.4711, 0.2798, 0.2615
Android (android.graphics.Color)	4291740159 (0xFFCEC1FF)
YUV	203.9550, 25.1652, 1.7935
Hunter-Lab	76.4664, 12.2275, -26.0135

Details

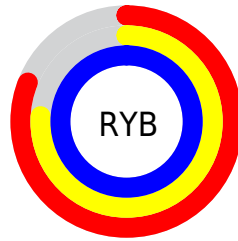
The CIELCh color **81, 33.381, 300.289** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **98, 31.652, 116.711**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.736, 324.489**, and **61, 33.623, 300.565** is the 20% darker color. If you saturate the color by 10%, you get **73, 48.011, 301.284**, and if you desaturate by 10%, it is **89, 19.278, 299.415**.

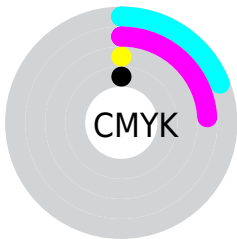
Distribution



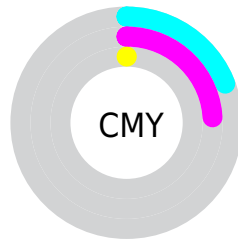
- Red (81%)
- Green (76%)
- Blue (100%)



- Red (81%)
- Yellow (76%)
- Blue (100%)



- Cyan (19%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (24%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 33.381, 300.289 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, 33.381, 300.289 by changing the saturation by 10% instead.


 81, 33.381,
300.289


 81, 33.381,
300.289


 100, 33.381,
300.289


 71, 33.381,
300.289

 61, 33.381,
300.289

 51, 33.381,
300.289

 41, 33.381,
300.289

 31, 33.381,
300.289

 21, 33.381,
300.289

 11, 33.381,

300.289

■ 1, 33.381, 300.289

■ 0, 33.381, 300.289

■ 81, 33.381,
300.289

■ 81, 33.381,
300.289

■ 73, 48.011,
301.284

■ 89, 19.278,
299.415

■ 65, 63.124,
302.400

■ 97, 5.707, 298.655

■ 58, 78.558,
303.610

100, 0.004,
308.893

■ 51, 93.924,
304.853

■ 44, 108.427,

306.004

■ 39, 120.696,
306.868

■ 35, 128.997,
307.215

■ 34, 131.895,
307.208

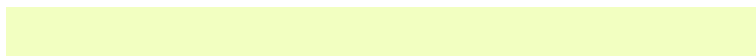
Harmonies

Complementary

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



81, 33.381, 300.289



98, 31.652, 116.711

Rectangle

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



81, 33.381, 300.289



81, 33.381, 350.289



81, 33.381, 120.289



81, 33.381, 170.289

Sweetspot

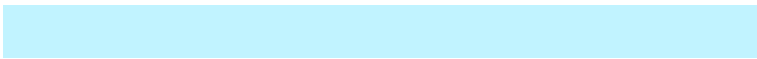
The Sweet Spot groups the original color and five complimentary colors.



81, 33.379, 300.288



95, 9.302, 298.849



93, 17.169, 220.505



50, 6.050, 298.894



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, 33.379, 300.288



77, 40.173, 300.740



84, 36.011, 316.779



49, 7.589, 299.036



24, 106.056, 307.325



4, 44.577, 305.738

Inverse Universe

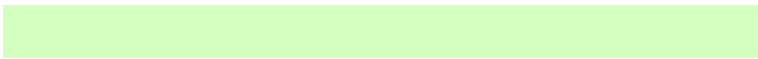
The Inverse Universe completely reimagines the original color for something new.



85, 33.674, 332.441



82, 40.143, 332.766



96, 35.355, 134.592



50, 7.829, 331.441



43, 79.113, 338.781



11, 37.086, 337.250

Previews

White Background



This preview shows how the CIELCh color 81, 33.381, 300.289 looks on a white background.

Color Contrast Check

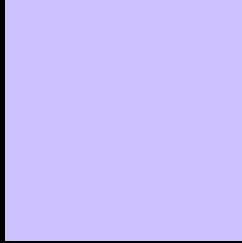
Large Text (above 18pt) WCAG AA × Fail

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, 33.381, 300.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

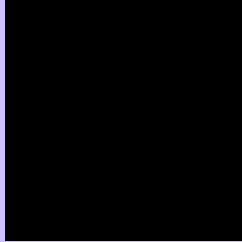
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 33.381, 300.289

Background



This preview shows how black text looks on a background with the CIELCh color 81, 33.381, 300.289.

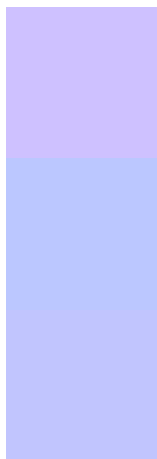


This preview shows how white text looks on a background with the CIELCh color 81, 33.381, 300.289.

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



Original Color

81, 33.381, 300.289

Protanopia

81, 29.898, 285.433

Deuteranopia

81, 30.323, 290.381



Tritanopia
81, 8.511, 288.561

Trichromacy



Original Color
81, 33.381, 300.289

Protanomaly
81, 30.845, 291.061

Deuteranomaly
81, 30.890, 294.044

Tritanomaly
81, 17.689, 297.287

Monochromacy



Original Color
81, 33.381, 300.289

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 12.374, 299.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 33.381, 300.289 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(206, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 193, 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(206, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 193, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 33.381, 300.289 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(206, 193, 255) }
```

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

```
.border{ border-color:rgb(206, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 193,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 33.381, 300.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 193, 255) }
```

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

```
.background{ background-color: rgb(206,  
193, 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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