

Converting Colors

CIELCh(81, 31.295, 295.006)

Have a look what the booklet for
CIELCh(81, 31.295, 295.006)
contains.

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Color

CIELCh(81, 31.475, 295.249)

Conversions

Conversions Part 1

Format	Color
Hex	C7C3FE
RGB	199, 195, 254
RGB Percent	78%, 76%, 100%
CMY	0.2187, 0.2344, 0.0030
CMYK	0.22, 0.23, 0.00, 0.00
HSL	244°, 97%, 88%
HSV	244°, 23%, 100%
XYZ	61.1025, 58.4711, 102.0246
YIQ	202.9220, -16.5550, 19.1970

Conversions

Conversions Part 2

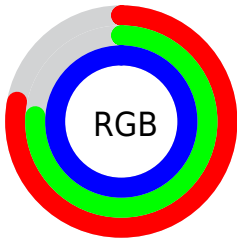
Format	Color
RYB	199, 195, 254
Decimal	13091838
CIELab	81.00, 13.43, -28.47
CIElCh	81, 31.475, 295.249
Yxy	58.4711, 0.2757, 0.2639
Android (android.graphics.Color)	4291281918 (0xFFC7C3FE)
YUV	202.9220, 25.1815, -3.4396
Hunter-Lab	76.4664, 8.8190, -25.5806

Details

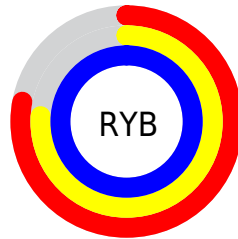
The CIELCh color `81, 31.475, 295.249` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 29.798, 110.825`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 1.871, 324.342`, and `61, 31.642, 295.387` is the 20% darker color. If you saturate the color by 10%, you get `73, 45.991, 296.583`, and if you desaturate by 10%, it is `89, 17.549, 294.105`.

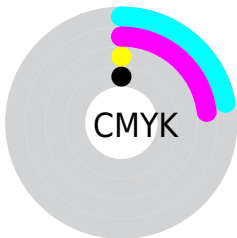
Distribution



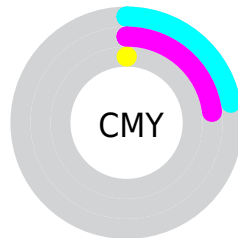
- Red (78%)
- Green (76%)
- Blue (100%)



- Red (78%)
- Yellow (76%)
- Blue (100%)



- Cyan (22%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 31.475, 295.249 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, 31.475, 295.249 by changing the saturation by 10% instead.


 81, 31.475,
295.249


 81, 31.475,
295.249


 100, 31.475,
295.249


 71, 31.475,
295.249

 61, 31.475,
295.249

 51, 31.475,
295.249

 41, 31.475,
295.249

 31, 31.475,
295.249

 21, 31.475,
295.249

 11, 31.475,

295.249

■ 1, 31.475, 295.249

■ 0, 31.475, 295.249

■ 81, 31.475,
295.249

■ 81, 31.475,
295.249

■ 73, 45.991,
296.583

■ 89, 17.549,
294.105

■ 65, 61.103,
298.123

■ 97, 4.188, 293.139

■ 57, 76.722,
299.856

100, 0.379,
109.945

■ 50, 92.541,
301.720

■ 43, 107.789,

303.564

■ 37, 120.943,
305.132

■ 34, 129.878,
306.111

■ 32, 133.190,
306.433

Harmonies

Complementary

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



81, 31.475, 295.249



98, 29.798, 110.825

Rectangle

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



81, 31.475, 295.249



81, 31.475, 345.249



81, 31.475, 115.249



81, 31.475, 165.249

Sweetspot

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



81, 31.473, 295.248



94, 9.210, 293.484



95, 18.079, 204.778



50, 5.991, 293.541



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, 31.473, 295.248



77, 38.445, 295.863



83, 33.319, 312.405



49, 7.516, 293.727



23, 107.437, 306.482



4, 44.289, 303.109

Inverse Universe

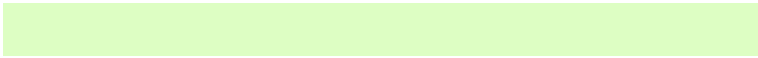
The Inverse Universe completely reimagines the original color for something new.



86, 35.370, 327.643



83, 42.739, 327.920



96, 32.423, 130.317



50, 8.647, 326.839



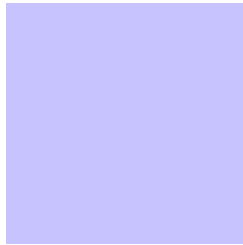
45, 88.248, 331.137



12, 40.860, 330.764

Previews

White Background



This preview shows how the CIELCh color 81, 31.475, 295.249 looks on a white background.

Color Contrast Check

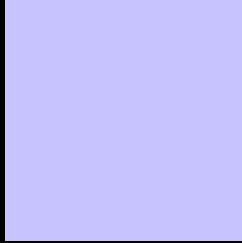
Large Text (above 18pt) WCAG AA × Fail

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, 31.475, 295.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

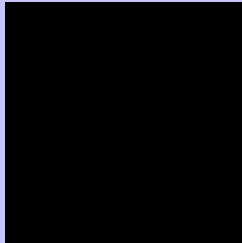
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 31.475, 295.249

Background



This preview shows how black text looks on a background with the CIELCh color 81, 31.475, 295.249.

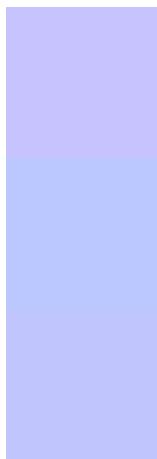


This preview shows how white text looks on a background with the CIELCh color 81, 31.475, 295.249.

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, 31.475, 295.249

Protanopia

81, 29.898, 285.433

Deuteranopia

81, 30.323, 290.381



Tritanopia
81, 9.117, 268.457

Trichromacy



Original Color
81, 31.475, 295.249

Protanomaly
81, 30.331, 288.575

Deuteranomaly
81, 30.871, 292.257

Tritanomaly
81, 16.530, 285.726

Monochromacy



Original Color
81, 31.475, 295.249

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 11.727, 294.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 31.475, 295.249 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(199, 195, 254)` looks like.

```
.text, #text, p{  
    color:rgb(199, 195, 254)  
}
```

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(199, 195, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 195, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 31.475, 295.249 is called "border". The border property can be set on classes, ids or directly on the HTML element.

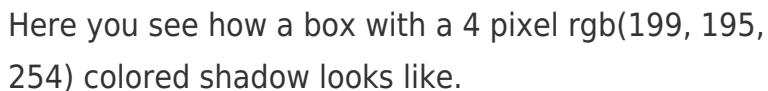
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 195, 254) }
```

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

```
.border{ border-color:rgb(199, 195, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 195, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 195, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 195, 254); box-shadow:4px 4px 4px 4px rgb(199, 195, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 31.475, 295.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 195, 254) }
```

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

```
.background{ background-color: rgb(199,  
195, 254) }
```

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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