

Converting Colors

CIELCh(86, 95.370, 301.424)

Have a look what the booklet for
CIELCh(86, 95.370, 301.424)
contains.

CIELCh(81, 36.411, 307.260)	3
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Color

CIELCh(81, 36.411, 307.260)

Conversions

Conversions Part 1

Format	Color
Hex	D8BDFF
RGB	216, 189, 255
RGB Percent	85%, 74%, 100%
CMY	0.1513, 0.2573, 0.0000
CMYK	0.15, 0.26, 0.00, 0.00
HSL	265°, 100%, 87%
HSV	265°, 26%, 100%
XYZ	64.8372, 58.4711, 102.8265
YIQ	204.5970, -5.0940, 26.2500

Conversions

Conversions Part 2

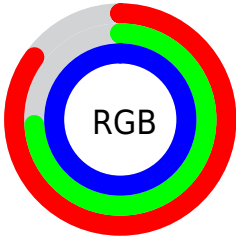
Format	Color
R _Y B	216, 189, 255
Decimal	14204415
CIE Lab	81.00, 22.04, -28.98
CIE LCh	81, 36.411, 307.260
Yxy	58.4711, 0.2867, 0.2586
Android (android.graphics.Color)	4292394495 (0xFFD8BDFF)
YUV	204.5970, 24.8487, 10.0004
Hunter-Lab	76.4664, 17.5371, -26.2024

Details

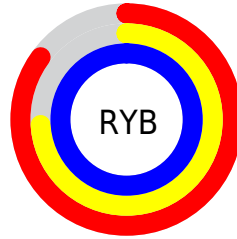
The CIELCh color **81, 36.411, 307.260** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97, 34.670, 124.633**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 6.227, 324.609**, and **61, 36.105, 307.383** is the 20% darker color. If you saturate the color by 10%, you get **74, 50.973, 307.986**, and if you desaturate by 10%, it is **88, 21.790, 306.742**.

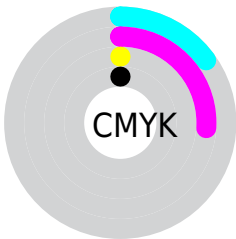
Distribution



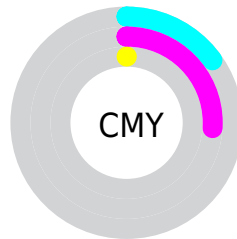
- Red (85%)
- Green (74%)
- Blue (100%)



- Red (85%)
- Yellow (74%)
- Blue (100%)



- Cyan (15%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (26%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 36.411, 307.260 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, 36.411, 307.260 by changing the saturation by 10% instead.


 81, 36.411,
307.260


 81, 36.411,
307.260


 100, 36.411,
307.260


 71, 36.411,
307.260

 61, 36.411,
307.260

 51, 36.411,
307.260

 41, 36.411,
307.260

 31, 36.411,
307.260

 21, 36.411,
307.260

 11, 36.411,

307.260

■ 1, 36.411, 307.260

■ 0, 36.411, 307.260

■ 81, 36.411,
307.260

■ 81, 36.411,
307.260

■ 74, 50.973,
307.986

■ 88, 21.790,
306.742

■ 67, 65.971,
308.663

■ 96, 7.813, 306.195

■ 60, 80.910,
309.332

100, 0.012,
296.813

■ 53, 95.281,
309.928

■ 47, 108.256,

310.348

■ 43, 118.694,
310.456

■ 39, 125.455,
310.109

■ 38, 127.436,
309.868

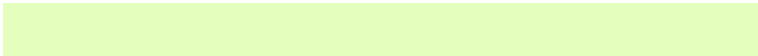
Harmonies

Complementary

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



81, 36.411, 307.260



97, 34.670, 124.633

Rectangle

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



81, 36.411, 307.260



81, 36.411, 357.260



81, 36.411, 127.260



81, 36.411, 177.260

Sweetspot

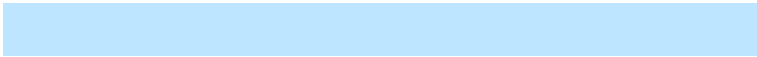
The Sweet Spot groups the original color and five complimentary colors.



81, 36.197, 307.340



94, 10.950, 306.316



89, 18.333, 247.352



49, 7.800, 306.397



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, 36.197, 307.340



77, 43.949, 307.675



84, 40.036, 322.967



49, 7.800, 306.397



28, 102.429, 310.053



5, 44.906, 310.498

Inverse Universe

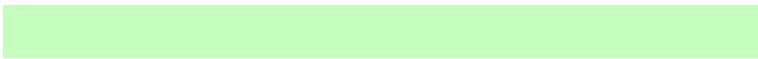
The Inverse Universe completely reimagines the original color for something new.



84, 31.029, 341.307



81, 37.413, 341.816



95, 39.816, 140.195



50, 6.781, 339.880



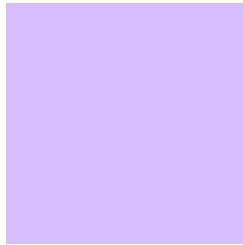
42, 70.008, 354.000



11, 32.967, 349.796

Previews

White Background



This preview shows how the CIELCh color 81, 36.411, 307.260 looks on a white background.

Color Contrast Check

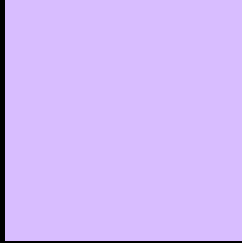
Large Text (above 18pt) WCAG AA × Fail

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, 36.411, 307.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

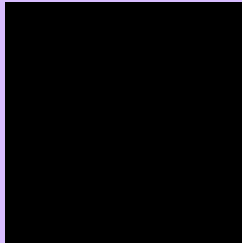
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 36.411, 307.260

Background



This preview shows how black text looks on a background with the CIELCh color 81, 36.411, 307.260.

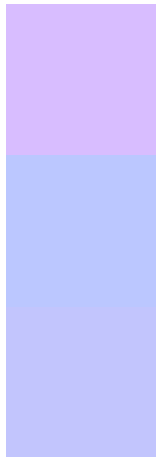


This preview shows how white text looks on a background with the CIELCh color 81, 36.411, 307.260.

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, 36.411, 307.260

Protanopia

81, 29.898, 285.433

Deuteranopia

81, 29.788, 290.902



Tritanopia
81, 9.591, 317.592

Trichromacy



Original Color
81, 36.411, 307.260

Protanomaly
81, 31.419, 294.064

Deuteranomaly
81, 32.123, 297.570

Tritanomaly
81, 19.251, 310.750

Monochromacy



Original Color
81, 36.411, 307.260

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 13.279, 306.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 36.411, 307.260 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(216, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 189, 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(216, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 189, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 36.411, 307.260 is called "border". The border property can be set on classes, ids or directly on the HTML element.

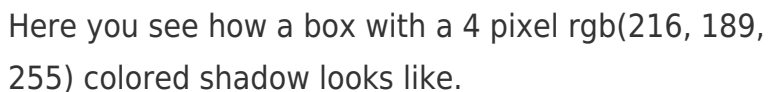
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 189, 255) }
```

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

```
.border{ border-color:rgb(216, 189, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 189,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 36.411, 307.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 189, 255) }
```

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

```
.background{ background-color: rgb(216,  
189, 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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