

Converting Colors

CIELCh(80, 35.061, 308.420)

Have a look what the booklet for
CIELCh(80, 35.061, 308.420)
contains.

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Color

CIELCh(80, 35.030, 308.415)

Conversions

Conversions Part 1

Format	Color
Hex	D7BBFA
RGB	215, 187, 250
RGB Percent	84%, 73%, 98%
CMY	0.1582, 0.2679, 0.0209
CMYK	0.14, 0.25, 0.00, 0.02
HSL	267°, 86%, 86%
HSV	267°, 25%, 98%
XYZ	62.8304, 56.6813, 97.7915
YIQ	202.5540, -3.5350, 25.5290

Conversions

Conversions Part 2

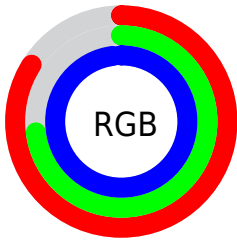
Format	Color
R _Y B	215, 187, 250
Decimal	14138362
CIE Lab	80.00, 21.77, -27.45
CIE LCh	80, 35.030, 308.415
Yxy	56.6813, 0.2891, 0.2608
Android (android.graphics.Color)	4292328442 (0xFFD7BBFA)
YUV	202.5540, 23.3909, 10.9151
Hunter-Lab	75.2870, 17.2141, -24.3119

Details

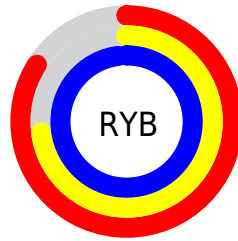
The CIELCh color **80, 35.030, 308.415** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95, 33.667, 125.878**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 7.476, 324.660**, and **60, 34.654, 308.580** is the 20% darker color. If you saturate the color by 10%, you get **73, 49.558, 309.017**, and if you desaturate by 10%, it is **87, 20.833, 307.852**.

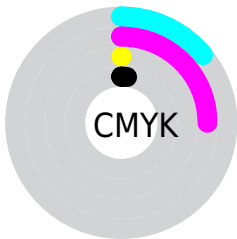
Distribution



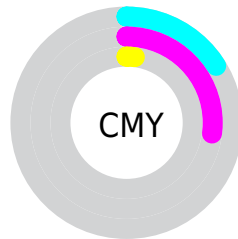
- Red (84%)
- Green (73%)
- Blue (98%)



- Red (84%)
- Yellow (73%)
- Blue (98%)



- Cyan (14%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)





- Cyan (16%)
- Magenta (27%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 35.030, 308.415 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 80, 35.030, 308.415 by changing the saturation by 10% instead.


 80, 35.030,
308.415


 80, 35.030,
308.415


 100, 35.030,
308.415


 70, 35.030,
308.415


 60, 35.030,
308.415

 50, 35.030,
308.415

 40, 35.030,
308.415

 30, 35.030,
308.415

 20, 35.030,
308.415

 10, 35.030,

308.415

■ 0, 35.030, 308.415

■ 80, 35.030,
308.415

■ 80, 35.030,
308.415

■ 73, 49.558,
309.017

■ 87, 20.833,
307.852

■ 66, 64.273,
309.641

■ 94, 7.045, 307.331

■ 59, 78.888,
310.248

■ 100, 2.697,
109.948

■ 53, 92.906,
310.776

■ 47, 105.537,
311.129

■ 43, 115.715,
311.179

■ 40, 122.386,
310.796

■ 38, 124.535,
310.502

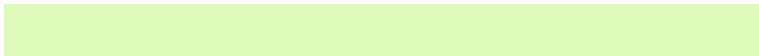
Harmonies

Complementary

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



80, 35.030, 308.415



95, 33.667, 125.878

Rectangle

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



80, 35.030, 308.415



80, 35.030, 358.415



80, 35.030, 128.415



80, 35.030, 178.415

Sweetspot

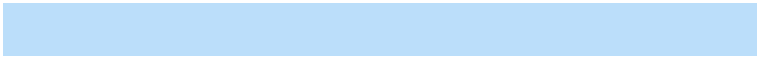
The Sweet Spot groups the original color and five complimentary colors.



80, 35.028, 308.415



94, 11.015, 307.474



87, 18.077, 251.454



49, 7.846, 307.551



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 35.028, 308.415



78, 42.657, 308.700



83, 38.930, 323.916



48, 7.717, 307.550



28, 100.712, 310.691



5, 43.174, 311.098

Inverse Universe

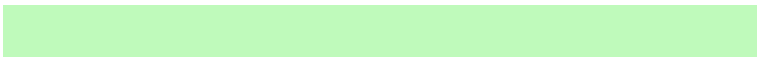
The Inverse Universe completely reimagines the original color for something new.



82, 29.269, 342.929



81, 35.456, 343.413



93, 38.791, 141.090



49, 6.520, 341.489



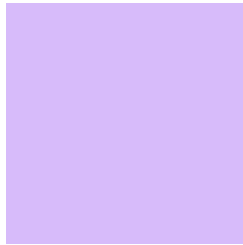
41, 68.490, 356.885



10, 31.689, 351.954

Previews

White Background



This preview shows how the CIELCh color 80, 35.030, 308.415 looks on a white background.

Color Contrast Check

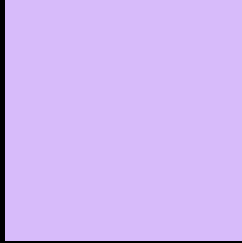
Large Text (above 18pt) WCAG AA × Fail

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 80, 35.030, 308.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

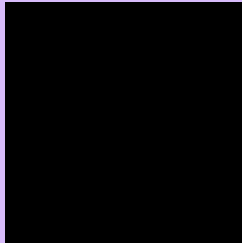
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 35.030, 308.415

Background



This preview shows how black text looks on a background with the CIELCh color 80, 35.030, 308.415.

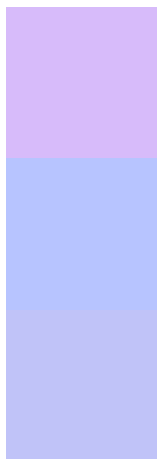


This preview shows how white text looks on a background with the CIELCh color 80, 35.030, 308.415.

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

80, 35.030, 308.415

Protanopia

80, 31.585, 285.477

Deuteranopia

80, 28.253, 290.677



Tritanopia
80, 9.515, 322.977

Trichromacy



Original Color
80, 35.030, 308.415

Protanomaly
80, 32.037, 294.120

Deuteranomaly
80, 30.597, 297.733

Tritanomaly
80, 18.925, 312.299

Monochromacy



Original Color
80, 35.030, 308.415

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 12.910, 308.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 35.030, 308.415 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(215, 187, 250)` looks like.

```
.text, #text, p{  
    color:rgb(215, 187, 250)  
}
```

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(215, 187, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 187, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 35.030, 308.415 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(215, 187, 250) }
```

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

```
.border{ border-color:rgb(215, 187, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 187, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 187, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 187, 250);  
box-shadow:4px 4px 4px 4px rgb(215, 187,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 35.030, 308.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 187, 250) }
```

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

```
.background{ background-color: rgb(215,  
187, 250) }
```

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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