

Converting Colors

CIELCh(86, 102.920, 304.491)

Have a look what the booklet for
CIELCh(86, 102.920, 304.491)
contains.

CIELCh(80, 42.150, 315.616)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 42.150, 315.616)

Conversions

Conversions Part 1

Format	Color
Hex	E5B5FE
RGB	229, 181, 254
RGB Percent	90%, 71%, 100%
CMY	0.1032, 0.2912, 0.0052
CMYK	0.10, 0.29, 0.00, 0.01
HSL	279°, 96%, 85%
HSV	279°, 29%, 99%
XYZ	66.5169, 56.6813, 100.9187
YIQ	203.6740, 5.1750, 32.8790

Conversions

Conversions Part 2

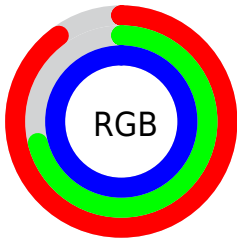
Format	Color
R _Y B	229, 181, 254
Decimal	15054334
CIE Lab	80.00, 30.12, -29.48
CIE LCh	80, 42.150, 315.616
Yxy	56.6813, 0.2968, 0.2529
Android (android.graphics.Color)	4293244414 (0xFFE5B5FE)
YUV	203.6740, 24.8107, 22.2109
Hunter-Lab	75.2870, 25.9545, -26.7746

Details

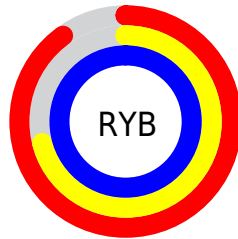
The CIELCh color $80, 42.150, 315.616$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $95, 41.084, 133.024$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 11.228, 324.804$, and $60, 41.925, 315.707$ is the 20% darker color. If you saturate the color by 10%, you get $73, 57.080, 316.057$, and if you desaturate by 10%, it is $87, 27.252, 315.165$.

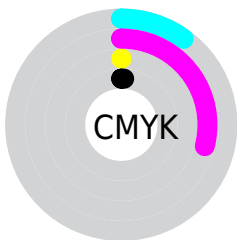
Distribution



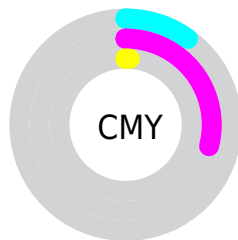
- Red (90%)
- Green (71%)
- Blue (100%)



- Red (90%)
- Yellow (71%)
- Blue (100%)



- Cyan (10%)
- Magenta (29%)
- Yellow (0%)
- Black (1%)





- Cyan (10%)
- Magenta (29%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.150, 315.616 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, 42.150, 315.616 by changing the saturation by 10% instead.


 80, 42.150,
315.616


 80, 42.150,
315.616


 100, 42.150,
315.616


 70, 42.150,
315.616

 60, 42.150,
315.616

 50, 42.150,
315.616

 40, 42.150,
315.616

 30, 42.150,
315.616

 20, 42.150,
315.616

 10, 42.150,

315.616

■ 0, 42.150, 315.616

■ 80, 42.150,
315.616

■ 80, 42.150,
315.616

■ 73, 57.080,
316.057

■ 87, 27.252,
315.165

■ 67, 71.746,
316.459

■ 94, 12.578,
314.719

■ 61, 85.677,
316.779

■ 100, 0.672,
117.353

■ 56, 98.219,
316.958

■ 100, 0.666,
110.012

■ 52, 108.561,
316.924

■ 49,115.912,
316.598

■ 46,119.998,
315.943

■ 46,120.409,
315.854

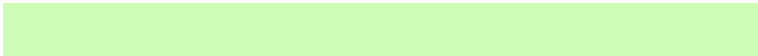
Harmonies

Complementary

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



80, 42.150, 315.616



95, 41.084, 133.024

Rectangle

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



80, 42.150, 315.616



80, 42.150, 5.616



80, 42.150, 135.616



80, 42.150, 185.616

Sweetspot

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



80, 42.148, 315.616



94, 13.001, 314.730



82, 26.085, 274.261



49, 9.049, 314.795



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, 42.148, 315.616



77, 50.217, 315.851



82, 41.292, 330.609



49, 8.218, 314.752



34, 97.256, 316.028



8, 44.378, 317.290

Inverse Universe

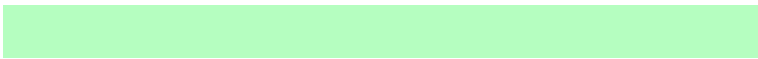
The Inverse Universe completely reimagines the original color for something new.



81, 30.059, 356.186



78, 35.891, 356.928



94, 41.193, 146.712



50, 5.794, 353.919



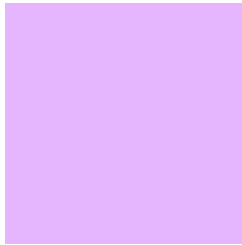
40, 69.411, 17.319



10, 31.324, 9.581

Previews

White Background



This preview shows how the CIELCh color 80, 42.150, 315.616 looks on a white background.

Color Contrast Check

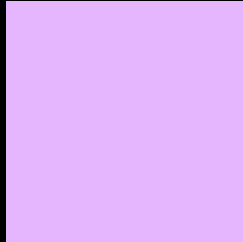
Large Text (above 18pt) WCAG AA × Fail

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, 42.150, 315.616 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, 42.150, 315.616

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.150, 315.616.

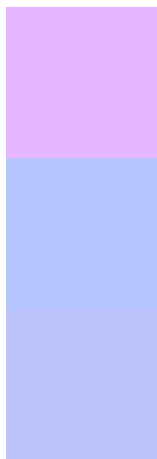


This preview shows how white text looks on a background with the CIELCh color 80, 42.150, 315.616.

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, 42.185, 315.621

Protanopia
80, 31.067, 284.705

Deuteranopia
80, 29.849, 290.315



Tritanopia
80, 13.947, 345.718

Trichromacy



Original Color
80, 42.185, 315.621



Protanomaly
80, 34.355, 297.983



Deuteranomaly
80, 33.562, 301.431



Tritanomaly
80, 23.330, 326.075

Monochromacy



Original Color
80, 42.185, 315.621



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 15.165, 314.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.150, 315.616 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(229, 181, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 181, 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(229, 181, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 181, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.150, 315.616 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(229, 181, 254) }
```

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

```
.border{ border-color:rgb(229, 181, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 181, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 181, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 181, 254);  
box-shadow:4px 4px 4px 4px rgb(229, 181,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.150, 315.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 181, 254) }
```

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

```
.background{ background-color: rgb(229,  
181, 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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