

Converting Colors

CIELCh(86, 103.866, 304.410)

Have a look what the booklet for
CIELCh(86, 103.866, 304.410)
contains.

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Color

CIELCh(80, 42.779, 315.782)

Conversions

Conversions Part 1

Format	Color
Hex	E5B4FE
RGB	229, 180, 254
RGB Percent	90%, 71%, 100%
CMY	0.1006, 0.2927, 0.0026
CMYK	0.10, 0.29, 0.00, 0.00
HSL	280°, 98%, 85%
HSV	280°, 29%, 100%
XYZ	66.7582, 56.6813, 101.4650
YIQ	203.0870, 5.4500, 33.4020

Conversions

Conversions Part 2

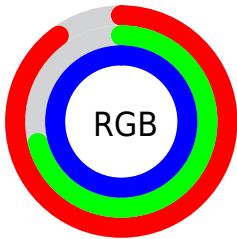
Format	Color
R _Y B	229, 180, 254
Decimal	15054078
CIE Lab	80.00, 30.66, -29.83
CIE LCh	80, 42.779, 315.782
Yxy	56.6813, 0.2968, 0.2520
Android (android.graphics.Color)	4293244158 (0xFFE5B4FE)
YUV	203.0870, 25.1001, 22.7257
Hunter-Lab	75.2870, 26.5266, -27.2048

Details

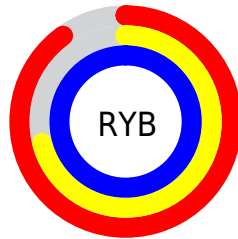
The CIELCh color $80, 42.779, 315.782$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $95, 41.702, 133.155$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $95, 11.855, 324.828$, and $60, 42.580, 315.888$ is the 20% darker color. If you saturate the color by 10%, you get $74, 57.742, 316.220$, and if you desaturate by 10%, it is $87, 27.834, 315.332$.

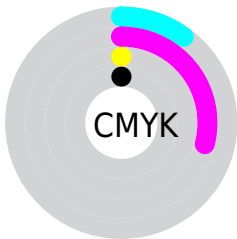
Distribution



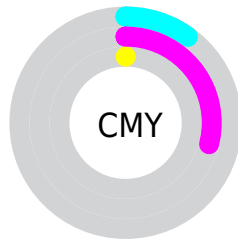
- Red (90%)
- Green (71%)
- Blue (100%)



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



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




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.779, 315.782 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, 42.779, 315.782 by changing the saturation by 10% instead.


 80, 42.779,
315.782


 80, 42.779,
315.782


 100, 42.779,
315.782


 70, 42.779,
315.782

 60, 42.779,
315.782

 50, 42.779,
315.782

 40, 42.779,
315.782

 30, 42.779,
315.782

 20, 42.779,
315.782

 10, 42.779,

315.782

■ 0, 42.779, 315.782

■ 80, 42.779,
315.782

■ 80, 42.779,
315.782

■ 74, 57.742,
316.220

■ 87, 27.834,
315.332

■ 67, 72.417,
316.618

■ 94, 13.105,
314.886

■ 62, 86.326,
316.932

■ 100, 0.328,
109.918

■ 56, 98.805,
317.103

■ 52, 109.041,
317.058

■ 49, 116.256,
316.720

■ 47, 120.235,
316.061

■ 46, 120.535,
315.995

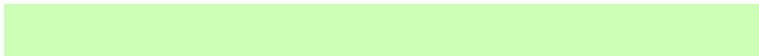
Harmonies

Complementary

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



80, 42.779, 315.782



95, 41.702, 133.155

Rectangle

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



80, 42.779, 315.782



80, 42.779, 5.782



80, 42.779, 135.782



80, 42.779, 185.782

Sweetspot

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



80, 42.777, 315.782



94, 13.017, 314.882



82, 26.449, 274.327



49, 9.060, 314.947



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, 42.777, 315.782



76, 51.761, 316.045



82, 41.854, 330.630



49, 8.227, 314.905



35, 97.166, 316.170



8, 44.349, 317.423

Inverse Universe

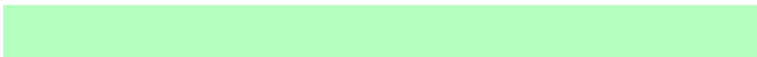
The Inverse Universe completely reimagines the original color for something new.



81, 30.421, 356.553



78, 36.906, 357.401



94, 41.755, 146.680



50, 5.779, 354.232



40, 69.533, 17.762



10, 31.335, 9.949

Previews

White Background



This preview shows how the CIELCh color 80, 42.779, 315.782 looks on a white background.

Color Contrast Check

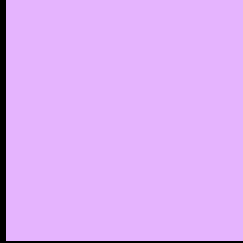
Large Text (above 18pt) WCAG AA × Fail

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, 42.779, 315.782 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, 42.779, 315.782

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.779, 315.782.

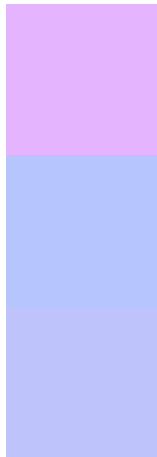


This preview shows how white text looks on a background with the CIELCh color 80, 42.779, 315.782.

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, 42.814, 315.787

Protanopia
80, 31.067, 284.705

Deuteranopia
80, 30.388, 289.810



Tritanopia
80, 14.252, 346.614

Trichromacy



Original Color
80, 42.814, 315.787



Protanomaly
80, 34.355, 297.983



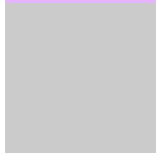
Deuteranomaly
80, 34.041, 300.777

Tritanomaly
80, 24.174, 326.810

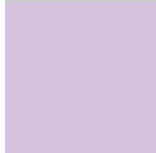
Monochromacy



Original Color
80, 42.814, 315.787



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 15.791, 315.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.779, 315.782 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, 180, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 180, 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, 180, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 180, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.779, 315.782 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, 180, 254) }
```

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

```
.border{ border-color:rgb(229, 180, 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, 180, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 180, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 180, 254);  
box-shadow:4px 4px 4px 4px rgb(229, 180,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.779, 315.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 180, 254) }
```

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

```
.background{ background-color: rgb(229,  
180, 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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