

Converting Colors

CIELCh(83, 98.489, 305.307)

Have a look what the booklet for
CIELCh(83, 98.489, 305.307)
contains.

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Color

CIELCh(78, 46.726, 315.259)

Conversions

Conversions Part 1

Format	Color
Hex	E1ADFE
RGB	225, 173, 254
RGB Percent	88%, 68%, 100%
CMY	0.1167, 0.3205, 0.0030
CMYK	0.11, 0.32, 0.00, 0.00
HSL	279°, 98%, 84%
HSV	279°, 32%, 100%
XYZ	64.0510, 53.2120, 100.8564
YIQ	197.7820, 4.9910, 36.2150

Conversions

Conversions Part 2

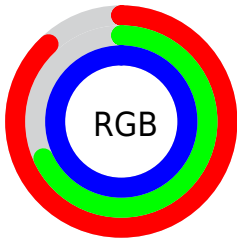
Format	Color
R _Y B	225, 173, 254
Decimal	14790142
CIE Lab	78.00, 33.19, -32.89
CIE LCh	78, 46.726, 315.259
Yxy	53.2120, 0.2937, 0.2440
Android (android.graphics.Color)	4292980222 (0xFFE1ADFE)
YUV	197.7820, 27.7155, 23.8702
Hunter-Lab	72.9466, 29.0762, -30.9122

Details

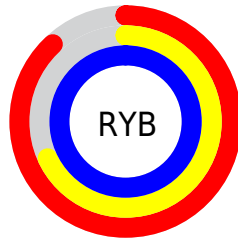
The CIELCh color $78, 46.726, 315.259$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 45.342, 132.369$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 16.248, 324.987$, and $58, 46.735, 315.379$ is the 20% darker color. If you saturate the color by 10%, you get $72, 61.635, 315.698$, and if you desaturate by 10%, it is $85, 31.793, 314.804$.

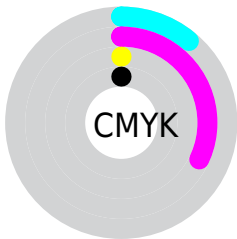
Distribution



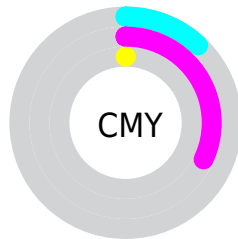
- Red (88%)
- Green (68%)
- Blue (100%)



- Red (88%)
- Yellow (68%)
- Blue (100%)



- Cyan (11%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 46.726, 315.259 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 78, 46.726, 315.259 by changing the saturation by 10% instead.


 78, 46.726,
315.259

 78, 46.726,
315.259


 100, 46.726,
315.259


 68, 46.726,
315.259


 98, 46.726,
315.259

 58, 46.726,
315.259

 48, 46.726,
315.259

 38, 46.726,
315.259

 28, 46.726,
315.259

 18, 46.726,
315.259

 8, 46.726, 315.259

■ 0, 46.726, 315.259

■ 78, 46.726,
315.259

■ 78, 46.726,
315.259

■ 72, 61.635,
315.698

■ 85, 31.793,
314.804

■ 65, 76.183,
316.089

■ 92, 17.053,
314.354

■ 60, 89.852,
316.383

■ 98, 2.626, 313.867

■ 55, 101.926,
316.515

■ 100, 0.377,
109.945

■ 50, 111.560,
316.404

■ 47, 118.005,
315.973

■ 46,120.997,
315.391

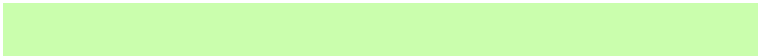
Harmonies

Complementary

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



78, 46.726, 315.259



95, 45.342, 132.369

Rectangle

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



78, 46.726, 315.259



78, 46.726, 5.259



78, 46.726, 135.259



78, 46.726, 185.259

Sweetspot

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



78, 46.724, 315.259



93, 14.408, 314.272



81, 28.417, 273.512



49, 9.846, 314.335



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 46.724, 315.259



74, 56.066, 315.533



81, 46.283, 330.239



49, 8.187, 314.250



34, 97.557, 315.570



8, 44.468, 316.851

Inverse Universe

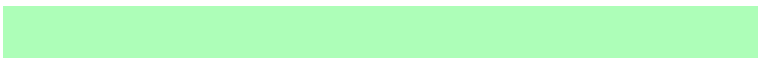
The Inverse Universe completely reimagines the original color for something new.



79, 33.690, 355.563



76, 40.468, 356.472



93, 46.214, 145.902



50, 5.844, 352.901



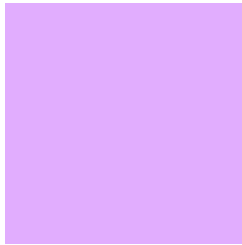
40, 69.045, 15.850



10, 31.297, 8.337

Previews

White Background



This preview shows how the CIELCh color 78, 46.726, 315.259 looks on a white background.

Color Contrast Check

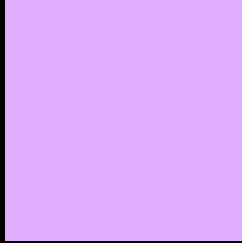
Large Text (above 18pt) WCAG AA × Fail

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 78, 46.726, 315.259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

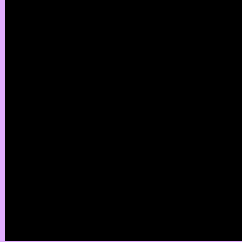
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 46.726, 315.259

Background



This preview shows how black text looks on a background with the CIELCh color 78, 46.726, 315.259.

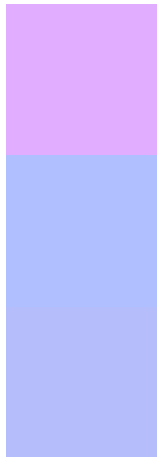


This preview shows how white text looks on a background with the CIELCh color 78, 46.726, 315.259.

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

78, 46.764, 315.264

Protanopia

78, 34.459, 284.951

Deuteranopia

78, 32.716, 288.100



Tritanopia
78, 14.643, 347.513

Trichromacy



Original Color
78, 46.764, 315.264



Protanomaly
78, 37.709, 297.354



Deuteranomaly
78, 36.833, 299.911

Tritanomaly
78, 25.353, 326.112

Monochromacy



Original Color
78, 46.764, 315.264



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 16.993, 314.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 46.726, 315.259 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(225, 173, 254)` looks like.

```
.text, #text, p{  
    color:rgb(225, 173, 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(225, 173, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 173, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 46.726, 315.259 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(225, 173, 254) }
```

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

```
.border{ border-color:rgb(225, 173, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 173, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 173, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 173, 254);  
box-shadow:4px 4px 4px 4px rgb(225, 173,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 46.726, 315.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 173, 254) }
```

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

```
.background{ background-color: rgb(225,  
173, 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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