

Converting Colors

CIELCh(81, 39.035, 312.045)

Have a look what the booklet for
CIELCh(81, 39.035, 312.045)
contains.

CIELCh(81, 38.989, 312.068)	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(81, 38.989, 312.068)

Conversions

Conversions Part 1

Format	Color
Hex	E0BAFF
RGB	224, 186, 255
RGB Percent	88%, 73%, 100%
CMY	0.1198, 0.2689, 0.0000
CMYK	0.12, 0.27, 0.00, 0.00
HSL	273°, 100%, 87%
HSV	273°, 27%, 100%
XYZ	66.6564, 58.4711, 102.7701
YIQ	205.2280, 0.4990, 29.5150

Conversions

Conversions Part 2

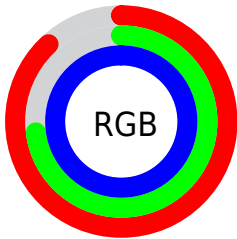
Format	Color
R _Y B	224, 186, 255
Decimal	14727935
CIE Lab	81.00, 26.12, -28.94
CIE LCh	81, 38.989, 312.068
Yxy	58.4711, 0.2925, 0.2566
Android (android.graphics.Color)	4292918015 (0xFFE0BAFF)
YUV	205.2280, 24.5376, 16.4630
Hunter-Lab	76.4664, 21.7838, -26.1587

Details

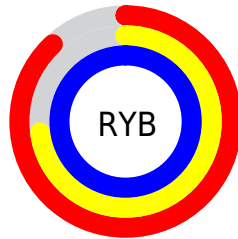
The CIELCh color **81, 38.989, 312.068** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 37.506, 129.719**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 8.100, 324.685**, and **61, 38.649, 311.933** is the 20% darker color. If you saturate the color by 10%, you get **74, 53.663, 312.683**, and if you desaturate by 10%, it is **88, 24.058, 311.695**.

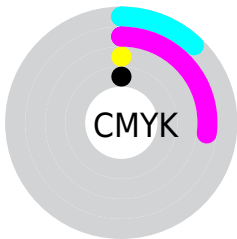
Distribution



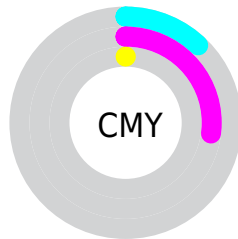
- Red (88%)
- Green (73%)
- Blue (100%)



- Red (88%)
- Yellow (73%)
- Blue (100%)



- Cyan (12%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 38.989, 312.068 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, 38.989, 312.068 by changing the saturation by 10% instead.


 81, 38.989,
312.068


 81, 38.989,
312.068


 100, 38.989,
312.068


 71, 38.989,
312.068


 61, 38.989,
312.068

 51, 38.989,
312.068

 41, 38.989,
312.068

 31, 38.989,
312.068

 21, 38.989,
312.068

 11, 38.989,

312.068

■ 1, 38.989, 312.068

■ 0, 38.989, 312.068

■ 81, 38.989,
312.068

■ 81, 38.989,
312.068

■ 74, 53.663,
312.683

■ 88, 24.058,
311.695

■ 67, 68.543,
313.170

■ 95, 9.684, 311.227

■ 61, 83.018,
313.600

100, 0.012,
296.813

■ 55, 96.495,
313.912

■ 50, 108.145,

314.018

■ 46, 117.005,
313.815

■ 43, 122.352,
313.216

■ 43, 123.563,
312.986

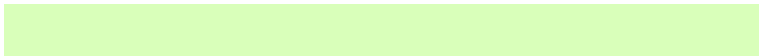
Harmonies

Complementary

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



81, 38.989, 312.068



96, 37.506, 129.719

Rectangle

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



81, 38.989, 312.068



81, 38.989, 2.068



81, 38.989, 132.068



81, 38.989, 182.068

Sweetspot

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



81, 38.759, 312.183



94, 11.267, 311.279



86, 21.807, 264.863



49, 8.023, 311.349



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, 38.759, 312.183



77, 46.367, 312.439



84, 41.552, 327.326



49, 8.023, 311.349



31, 99.358, 313.181



7, 44.809, 314.390

Inverse Universe

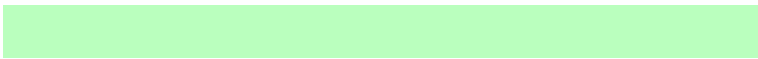
The Inverse Universe completely reimagines the original color for something new.



83, 29.699, 349.328



80, 35.449, 349.948



94, 41.532, 143.928



50, 6.159, 347.490



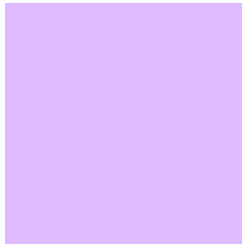
41, 68.004, 7.375



10, 31.464, 0.959

Previews

White Background



This preview shows how the CIELCh color 81, 38.989, 312.068 looks on a white background.

Color Contrast Check

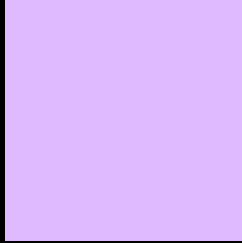
Large Text (above 18pt) WCAG AA × Fail

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, 38.989, 312.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

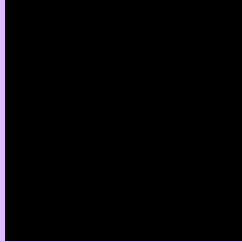
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 38.989, 312.068

Background



This preview shows how black text looks on a background with the CIELCh color 81, 38.989, 312.068.



This preview shows how white text looks on a background with the CIELCh color 81, 38.989, 312.068.

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





Tritanopia
81, 11.340, 335.705

Trichromacy



Original Color
81, 38.989, 312.068

Protanomaly
81, 32.624, 296.959

Deuteranomaly
81, 32.815, 299.811

Tritanomaly
81, 20.700, 320.180

Monochromacy



Original Color
81, 38.989, 312.068

Achromatopsia
83, 0.010, 296.813

Achromatomaly
82, 14.223, 311.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 38.989, 312.068 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(224, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 186, 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(224, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 186, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 38.989, 312.068 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(224, 186, 255) }
```

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

```
.border{ border-color:rgb(224, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 186,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 38.989, 312.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 186, 255) }
```

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

```
.background{ background-color: rgb(224,  
186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor