

Converting Colors

CIELCh(78, 49.181, 317.685)

Have a look what the booklet for
CIELCh(78, 49.181, 317.685)
contains.

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Color

CIELCh(78, 49.165, 317.610)

Conversions

Conversions Part 1

Format	Color
Hex	E7ABFF
RGB	231, 171, 255
RGB Percent	91%, 67%, 100%
CMY	0.0949, 0.3302, 0.0008
CMYK	0.09, 0.33, 0.00, 0.00
HSL	283°, 100%, 83%
HSV	283°, 33%, 100%
XYZ	65.4296, 53.2120, 101.2529
YIQ	198.5160, 8.7960, 38.8440

Conversions

Conversions Part 2

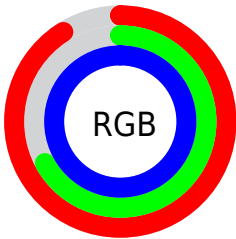
Format	Color
R _Y B	231, 171, 255
Decimal	15182847
CIE Lab	78.00, 36.31, -33.15
CIE LCh	78, 49.165, 317.610
Yxy	53.2120, 0.2975, 0.2420
Android (android.graphics.Color)	4293372927 (0xFFE7ABFF)
YUV	198.5160, 27.8466, 28.4885
Hunter-Lab	72.9466, 32.4496, -31.2345

Details

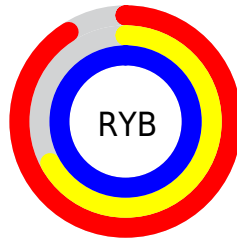
The CIELCh color $78, 49.165, 317.610$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 48.028, 134.548$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $93, 17.506, 325.031$, and $58, 49.030, 317.448$ is the 20% darker color. If you saturate the color by 10%, you get $72, 64.095, 318.021$, and if you desaturate by 10%, it is $84, 34.065, 317.171$.

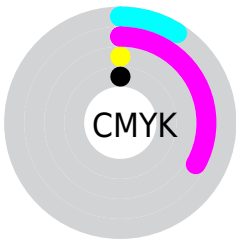
Distribution



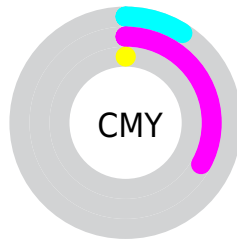
- Red (91%)
- Green (67%)
- Blue (100%)



- Red (91%)
- Yellow (67%)
- Blue (100%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 49.165, 317.610 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, 49.165, 317.610 by changing the saturation by 10% instead.


 78, 49.165,
317.610


 78, 49.165,
317.610


 100, 49.165,
317.610


 68, 49.165,
317.610

 98, 49.165,
317.610

 58, 49.165,
317.610

 48, 49.165,
317.610

 38, 49.165,
317.610

 28, 49.165,
317.610

 18, 49.165,
317.610

 8, 49.165, 317.610

■ 0, 49.165, 317.610

■ 78, 49.165,
317.610

■ 78, 49.165,
317.610

■ 72, 64.095,
318.021

■ 84, 34.065,
317.171

■ 66, 78.462,
318.372

■ 91, 19.063,
316.725

■ 61, 91.695,
318.615

■ 98, 4.315, 316.256

■ 56, 103.069,
318.694

100, 0.095,
109.353

■ 52, 111.802,
318.543

■ 50, 117.314,
318.103

■ 48,119.484,
317.638

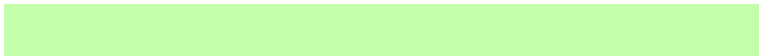
Harmonies

Complementary

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



78, 49.165, 317.610



94, 48.028, 134.548

Rectangle

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



78, 49.165, 317.610



78, 49.165, 7.610



78, 49.165, 137.610



78, 49.165, 187.610

Sweetspot

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



78, 49.163, 317.610



93, 14.673, 316.593



79, 32.045, 278.888



49, 10.025, 316.655



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, 49.163, 317.610



74, 59.750, 317.904



80, 45.823, 332.681



50, 8.338, 316.570



36, 96.211, 317.797



8, 43.997, 318.924

Inverse Universe

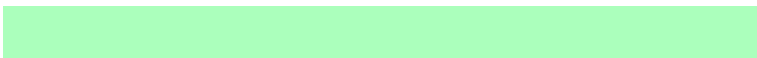
The Inverse Universe completely reimagines the original color for something new.



79, 34.009, 0.773



74, 41.603, 1.917



93, 45.637, 147.927



50, 5.627, 357.812



40, 71.192, 22.540



10, 31.522, 13.726

Previews

White Background



This preview shows how the CIELCh color 78, 49.165, 317.610 looks on a white background.

Color Contrast Check

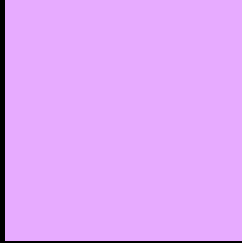
Large Text (above 18pt) WCAG AA × Fail

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, 49.165, 317.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

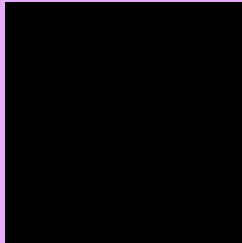
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 49.165, 317.610

Background



This preview shows how black text looks on a background with the CIELCh color 78, 49.165, 317.610.

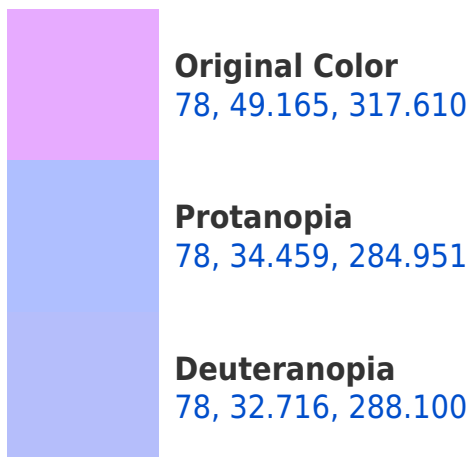


This preview shows how white text looks on a background with the CIELCh color 78, 49.165, 317.610.

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
78, 16.935, 352.710

Trichromacy



Original Color
78, 49.165, 317.610



Protanomaly
78, 38.353, 298.773



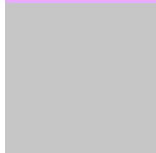
Deuteranomaly
78, 37.514, 301.336

Tritanomaly
78, 27.258, 330.064

Monochromacy



Original Color
78, 49.165, 317.610



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 18.410, 316.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 49.165, 317.610 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(231, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 171, 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(231, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 49.165, 317.610 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(231, 171, 255) }
```

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

```
.border{ border-color:rgb(231, 171, 255) }
```

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

Here you see how a box with a 4 pixel rgb(231, 171, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 49.165, 317.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 171, 255) }
```

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

```
.background{ background-color: rgb(231,  
171, 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](#).

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