

Converting Colors

CIELCh(78, 49.242, 317.219)

Have a look what the booklet for
CIELCh(78, 49.242, 317.219)
contains.

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Color

CIELCh(78, 49.049, 317.234)

Conversions

Conversions Part 1

Format	Color
Hex	E6ABFF
RGB	230, 171, 255
RGB Percent	90%, 67%, 100%
CMY	0.0977, 0.3291, 0.0000
CMYK	0.10, 0.33, 0.00, 0.00
HSL	282°, 100%, 84%
HSV	282°, 33%, 100%
XYZ	65.2948, 53.2120, 101.5003
YIQ	198.2170, 8.2000, 38.6320

Conversions

Conversions Part 2

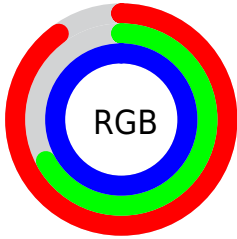
Format	Color
R_{YB}	230, 171, 255
Decimal	15117311
CIE _{Lab}	78.00, 36.01, -33.30
CIE _{LCh}	78, 49.049, 317.234
Yxy	53.2120, 0.2968, 0.2419
Android (android.graphics.Color)	4293307391 (0xFFE6ABFF)
YUV	198.2170, 27.9940, 27.8737
Hunter-Lab	72.9466, 32.1197, -31.4355

Details

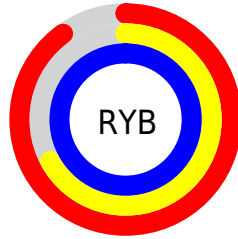
The CIELCh color $78, 49.049, 317.234$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 47.826, 134.212$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $93, 17.506, 325.031$, and $58, 48.927, 317.054$ is the 20% darker color. If you saturate the color by 10%, you get $72, 63.951, 317.667$, and if you desaturate by 10%, it is $85, 33.925, 316.812$.

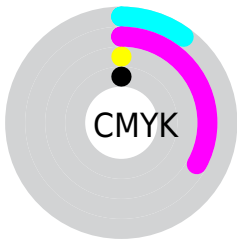
Distribution



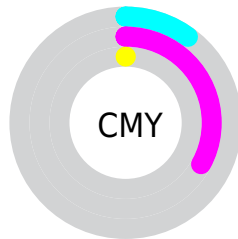
- Red (90%)
- Green (67%)
- Blue (100%)



- Red (90%)
- Yellow (67%)
- Blue (100%)



- Cyan (10%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 49.049, 317.234 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, 49.049, 317.234 by changing the saturation by 10% instead.


 78, 49.049,
317.234


 78, 49.049,
317.234


 100, 49.049,
317.234

 68, 49.049,
317.234

 98, 49.049,
317.234

 58, 49.049,
317.234

 48, 49.049,
317.234

 38, 49.049,
317.234

 28, 49.049,
317.234

 18, 49.049,
317.234

 8, 49.049, 317.234

■ 0, 49.049, 317.234

■ 78, 49.049,
317.234

■ 78, 49.049,
317.234

■ 72, 63.951,
317.667

■ 85, 33.925,
316.812

■ 66, 78.352,
318.021

■ 91, 18.947,
316.367

■ 60, 91.650,
318.269

■ 98, 4.233, 315.900

■ 56, 103.116,
318.351

100, 0.012,
296.813

■ 52, 111.959,
318.199

■ 49, 117.574,
317.752

■ 48,119.811,
317.274

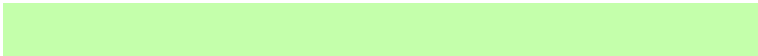
Harmonies

Complementary

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



78, 49.049, 317.234



94, 47.826, 134.212

Rectangle

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



78, 49.049, 317.234



78, 49.049, 7.234



78, 49.049, 137.234



78, 49.049, 187.234

Sweetspot

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



78, 49.011, 317.253



93, 14.630, 316.237



79, 32.016, 278.878



49, 9.996, 316.300



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, 49.011, 317.253



74, 58.146, 317.510



80, 45.785, 332.677



50, 8.313, 316.215



36, 96.409, 317.437



8, 44.071, 318.595

Inverse Universe

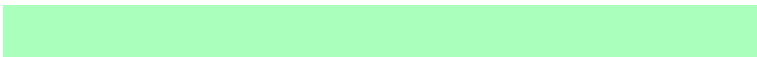
The Inverse Universe completely reimagines the original color for something new.



79, 34.109, 359.961



75, 40.664, 0.932



93, 45.599, 147.931



50, 5.657, 357.024



40, 70.788, 21.535



10, 31.473, 12.960

Previews

White Background



This preview shows how the CIELCh color 78, 49.049, 317.234 looks on a white background.

Color Contrast Check

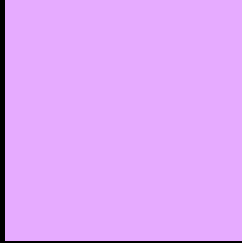
Large Text (above 18pt) WCAG AA × Fail

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, 49.049, 317.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

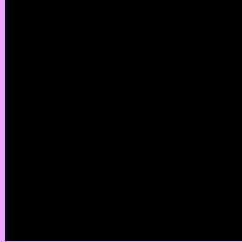
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 49.049, 317.234

Background



This preview shows how black text looks on a background with the CIELCh color 78, 49.049, 317.234.



This preview shows how white text looks on a background with the CIELCh color 78, 49.049, 317.234.

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, 49.049, 317.234

Protanopia

78, 34.459, 284.951

Deuteranopia

78, 32.716, 288.100



Tritanopia
78, 16.026, 353.044

Trichromacy



Original Color
78, 49.049, 317.234



Protanomaly
78, 38.353, 298.773



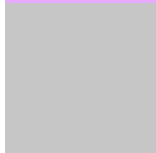
Deuteranomaly
78, 37.514, 301.336

Tritanomaly
78, 26.400, 329.497

Monochromacy



Original Color
78, 49.049, 317.234



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, 49.049, 317.234 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(230, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 49.049, 317.234 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(230, 171, 255) }
```

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

```
.border{ border-color:rgb(230, 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(230, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 49.049, 317.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 171, 255) }
```

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

```
.background{ background-color: rgb(230,  
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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