

Converting Colors

CIELCh(78, 48.948, 316.633)

Have a look what the booklet for
CIELCh(78, 48.948, 316.633)
contains.

CIELCh(78, 48.935, 316.857)	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(78, 48.935, 316.857)

Conversions

Conversions Part 1

Format	Color
Hex	E5ABFF
RGB	229, 171, 255
RGB Percent	90%, 67%, 100%
CMY	0.1006, 0.3281, 0.0000
CMYK	0.10, 0.33, 0.00, 0.00
HSL	282°, 100%, 84%
HSV	282°, 33%, 100%
XYZ	65.1603, 53.2120, 101.7471
YIQ	197.9180, 7.6040, 38.4200

Conversions

Conversions Part 2

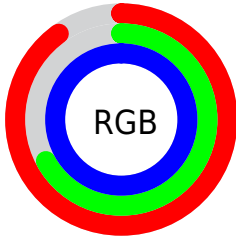
Format	Color
R_{YB}	229, 171, 255
Decimal	15051775
CIE _{Lab}	78.00, 35.71, -33.46
CIE _{LCh}	78, 48.935, 316.857
Yxy	53.2120, 0.2960, 0.2417
Android (android.graphics.Color)	4293241855 (0xFFE5ABFF)
YUV	197.9180, 28.1414, 27.2589
Hunter-Lab	72.9466, 31.7906, -31.6361

Details

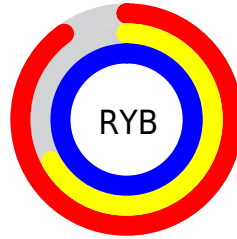
The CIELCh color $78, 48.935, 316.857$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 47.539, 133.928$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $93, 17.506, 325.031$, and $58, 48.827, 316.660$ is the 20% darker color. If you saturate the color by 10%, you get $72, 63.703, 317.364$, and if you desaturate by 10%, it is $85, 33.694, 316.505$.

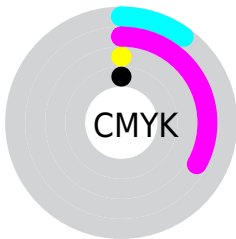
Distribution



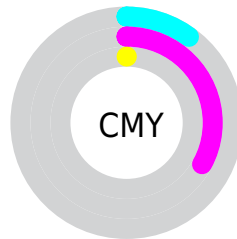
- Red (90%)
- Green (67%)
- Blue (100%)



- 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, 48.935, 316.857 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, 48.935, 316.857 by changing the saturation by 10% instead.

 78, 48.935,
316.857

 78, 48.935,
316.857

 100, 48.935,
316.857

 68, 48.935,
316.857


 98, 48.935,
316.857

 58, 48.935,
316.857

 48, 48.935,
316.857

 38, 48.935,
316.857

 28, 48.935,
316.857

 18, 48.935,
316.857

 8, 48.935, 316.857

0, 48.935, 316.857

78, 48.935,
316.857

78, 48.935,
316.857

72, 63.703,
317.364

85, 33.694,
316.505

66, 78.130,
317.722

91, 18.747,
316.059

60, 91.484,
317.974

98, 4.071, 315.591

56, 103.037,
318.061

100, 0.012,
296.813

52, 111.987,
317.911

49, 117.710,
317.462

■ 48,120.030,
316.969

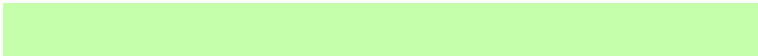
Harmonies

Complementary

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



78, 48.935, 316.857



94, 47.539, 133.928

Rectangle

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



78, 48.935, 316.857



78, 48.935, 6.857



78, 48.935, 136.857



78, 48.935, 186.857

Sweetspot

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



78, 48.763, 316.947



93, 14.594, 315.934



80, 31.253, 277.646



49, 9.972, 315.997



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, 48.763, 316.947



74, 58.050, 317.210



80, 46.169, 332.055



50, 8.293, 315.912



35, 96.580, 317.136



8, 44.135, 318.318

Inverse Universe

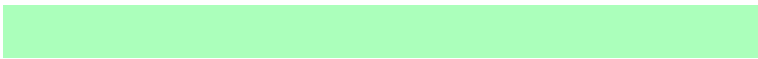
The Inverse Universe completely reimagines the original color for something new.



79, 34.112, 359.269



75, 40.785, 0.247



93, 46.018, 147.390



50, 5.684, 356.363



40, 70.465, 20.671



10, 31.435, 12.290

Previews

White Background



This preview shows how the CIELCh color 78, 48.935, 316.857 looks on a white background.

Color Contrast Check

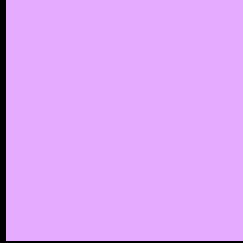
Large Text (above 18pt) WCAG AA × Fail

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, 48.935, 316.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

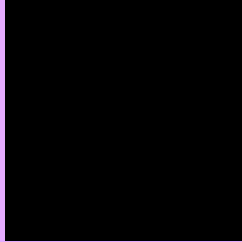
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 48.935, 316.857

Background



This preview shows how black text looks on a background with the CIELCh color 78, 48.935, 316.857.



This preview shows how white text looks on a background with the CIELCh color 78, 48.935, 316.857.

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, 48.935, 316.857

Protanopia
78, 34.459, 284.951

Deuteranopia
78, 32.737, 287.559



Tritanopia
78, 16.026, 353.044

Trichromacy



Original Color
78, 48.935, 316.857



Protanomaly
78, 38.353, 298.773



Deuteranomaly
78, 37.472, 300.842

Tritanomaly
78, 26.400, 329.497

Monochromacy



Original Color
78, 48.935, 316.857



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 18.264, 315.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 48.935, 316.857 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, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 48.935, 316.857 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, 171, 255) }
```

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

```
.border{ border-color:rgb(229, 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(229, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 48.935, 316.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 171, 255) }
```

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

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