

Converting Colors

CIELCh(78, 40.186, 321.506)

Have a look what the booklet for
CIELCh(78, 40.186, 321.506)
contains.

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Color

CIELCh(78, 40.219, 321.511)

Conversions

Conversions Part 1

Format	Color
Hex	E6AEF0
RGB	230, 174, 240
RGB Percent	90%, 68%, 94%
CMY	0.0992, 0.3187, 0.0600
CMYK	0.04, 0.28, 0.00, 0.06
HSL	291°, 68%, 81%
HSV	291°, 28%, 94%
XYZ	63.3049, 53.2120, 89.1436
YIQ	198.2680, 12.1900, 32.3980

Conversions

Conversions Part 2

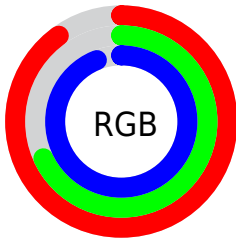
Format	Color
R _Y B	230, 174, 240
Decimal	15118064
CIE _{Lab}	78.00, 31.48, -25.03
CIE _{LCh}	78, 40.219, 321.511
Y _{xy}	53.2120, 0.3078, 0.2587
Android (android.graphics.Color)	4293308144 (0xFFE6AEF0)
YUV	198.2680, 20.5739, 27.8290
Hunter-Lab	72.9466, 27.2505, -21.3922

Details

The CIELCh color $78, 40.219, 321.511$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $90, 39.850, 138.708$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 15.620, 324.964$, and $58, 40.278, 321.569$ is the 20% darker color. If you saturate the color by 10%, you get $72, 54.743, 321.953$, and if you desaturate by 10%, it is $84, 25.510, 321.044$.

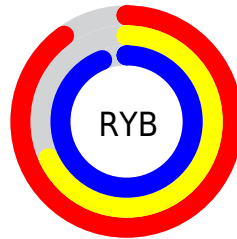
Distribution



Red (90%)

Green (68%)

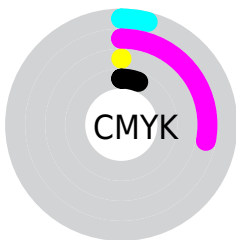
Blue (94%)



Red (90%)

Yellow (68%)

Blue (94%)

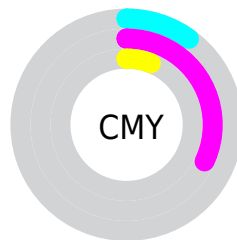


Cyan (4%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (10%)


Magenta (32%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 40.219, 321.511 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, 40.219, 321.511 by changing the saturation by 10% instead.


 78, 40.219,
321.511


 78, 40.219,
321.511


 100, 40.219,
321.511


 68, 40.219,
321.511


 98, 40.219,
321.511


 58, 40.219,
321.511

 48, 40.219,
321.511

 38, 40.219,
321.511

 28, 40.219,
321.511

 18, 40.219,
321.511

 8, 40.219, 321.511

0, 40.219, 321.511

78, 40.219,
321.511

78, 40.219,
321.511

72, 54.743,
321.953

84, 25.510,
321.044

67, 68.722,
322.348

90, 10.876,
320.564

62, 81.649,
322.664

96, 3.524, 140.200

99, 8.682, 135.619

58, 92.909,
322.867

99, 8.179, 127.618

55, 101.850,
322.918

99, 7.857, 118.706

53, 107.957,
322.783

100, 7.741,
109.588

■ 51, 111.133,
322.447

■ 51, 111.686,
322.348

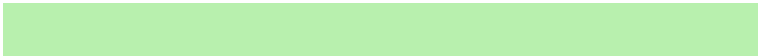
Harmonies

Complementary

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



78, 40.219, 321.511



90, 39.850, 138.708

Rectangle

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



78, 40.219, 321.511



78, 40.219, 11.511



78, 40.219, 141.511



78, 40.219, 191.511

Sweetspot

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



78, 40.217, 321.511



95, 12.160, 320.589



76, 29.732, 286.089



50, 8.652, 320.662



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, 40.217, 321.511



79, 50.689, 321.762



78, 33.291, 337.736



47, 8.224, 320.659



39, 91.419, 322.442



8, 39.809, 323.216

Inverse Universe

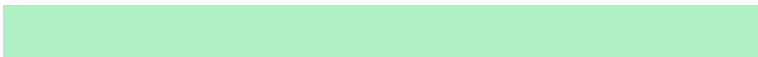
The Inverse Universe completely reimagines the original color for something new.



77, 25.911, 9.950



78, 33.114, 10.774



89, 32.862, 153.408



47, 5.083, 7.803



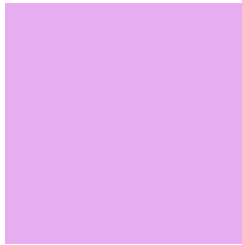
38, 74.961, 32.822



8, 29.154, 17.620

Previews

White Background



This preview shows how the CIELCh color 78, 40.219, 321.511 looks on a white background.

Color Contrast Check

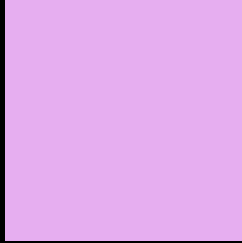
Large Text (above 18pt) WCAG AA × Fail

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, 40.219, 321.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

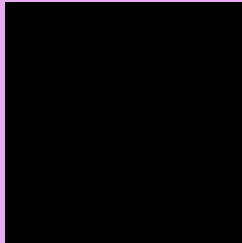
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 40.219, 321.511

Background



This preview shows how black text looks on a background with the CIELCh color 78, 40.219, 321.511.

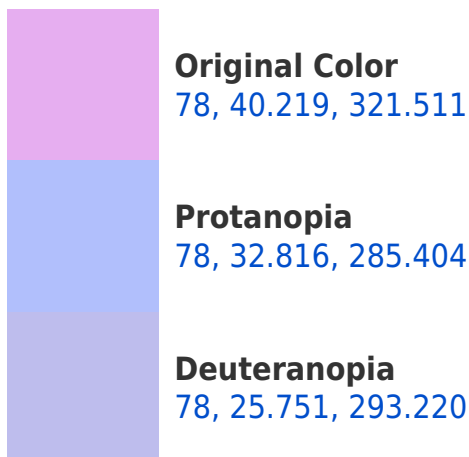


This preview shows how white text looks on a background with the CIELCh color 78, 40.219, 321.511.

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, 17.054, 354.960

Trichromacy



Original Color
78, 40.219, 321.511



Protanomaly
78, 34.083, 299.181



Deuteranomaly
78, 30.491, 306.146



Tritanomaly
78, 24.295, 334.996

Monochromacy



Original Color
78, 40.219, 321.511



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 14.951, 321.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 40.219, 321.511 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, 174, 240)` looks like.

```
.text, #text, p{  
    color:rgb(230, 174, 240)  
}
```

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, 174, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 174, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 40.219, 321.511 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, 174, 240) }
```

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

```
.border{ border-color:rgb(230, 174, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 174, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 174, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 174, 240);  
box-shadow:4px 4px 4px 4px rgb(230, 174,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 40.219, 321.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 174, 240) }
```

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

```
.background{ background-color: rgb(230,  
174, 240) }
```

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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