

Converting Colors

CIELCh(78, 44.361, 314.334)

Have a look what the booklet for
CIELCh(78, 44.361, 314.334)
contains.

CIELCh(78, 44.221, 314.185)	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, 44.221, 314.185)

Conversions

Conversions Part 1

Format	Color
Hex	DEAFFC
RGB	222, 175, 252
RGB Percent	87%, 69%, 99%
CMY	0.1294, 0.3137, 0.0118
CMYK	0.12, 0.31, 0.00, 0.01
HSL	277°, 93%, 84%
HSV	277°, 31%, 99%
XYZ	63.0185, 53.2120, 99.0362
YIQ	197.8310, 3.2950, 33.9110

Conversions

Conversions Part 2

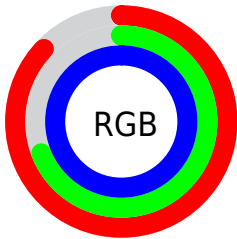
Format	Color
R _Y B	222, 175, 252
Decimal	14594044
CIE Lab	78.00, 30.82, -31.71
CIE LCh	78, 44.221, 314.185
Yxy	53.2120, 0.2927, 0.2472
Android (android.graphics.Color)	4292784124 (0xFFDEAFFC)
YUV	197.8310, 26.7053, 21.1962
Hunter-Lab	72.9466, 26.5497, -29.4327

Details

The CIELCh color $78, 44.221, 314.185$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 42.829, 131.416$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.992, 324.942$, and $58, 44.124, 314.232$ is the 20% darker color. If you saturate the color by 10%, you get $71, 59.026, 314.644$, and if you desaturate by 10%, it is $85, 29.470, 313.719$.

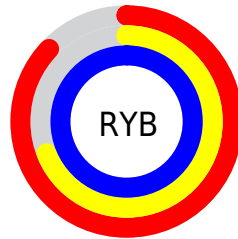
Distribution



Red (87%)

Green (69%)

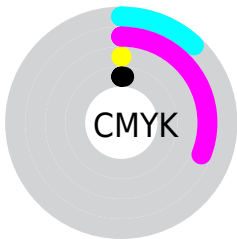
Blue (99%)



Red (87%)

Yellow (69%)

Blue (99%)

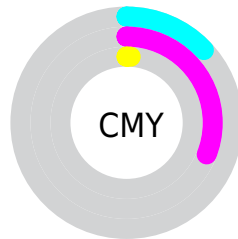


Cyan (12%)

Magenta (31%)

Yellow (0%)

Black (1%)



Cyan (13%)

Magenta (31%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 44.221, 314.185 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, 44.221, 314.185 by changing the saturation by 10% instead.

 78, 44.221,
314.185

 78, 44.221,
314.185

 100, 44.221,
314.185

 68, 44.221,
314.185

 98, 44.221,
314.185

 58, 44.221,
314.185

 48, 44.221,
314.185

 38, 44.221,
314.185

 28, 44.221,
314.185

 18, 44.221,
314.185

 8, 44.221, 314.185

0, 44.221, 314.185

78, 44.221,
314.185

78, 44.221,
314.185

71, 59.026,
314.644

85, 29.470,
313.719

65, 73.587,
315.065

92, 14.959,
313.264

59, 87.429,
315.400

99, 0.786, 312.621

54, 99.871,
315.583

100, 1.515,
110.014

50, 110.059,
315.531

46, 117.164,
315.153

■ 44, 120.978,
314.489

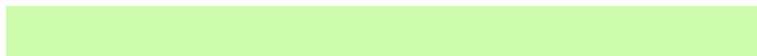
Harmonies

Complementary

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



78, 44.221, 314.185



94, 42.829, 131.416

Rectangle

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



78, 44.221, 314.185



78, 44.221, 4.185



78, 44.221, 134.185



78, 44.221, 184.185

Sweetspot

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



78, 44.219, 314.185



94, 12.854, 313.194



82, 25.991, 270.355



49, 8.948, 313.259



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, 44.219, 314.185



75, 54.292, 314.484



81, 45.144, 329.067



48, 7.991, 313.216



33, 97.204, 314.680



7, 43.197, 315.915

Inverse Universe

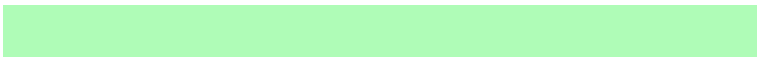
The Inverse Universe completely reimagines the original color for something new.



79, 32.540, 353.299



76, 39.926, 354.200



93, 45.106, 145.025



49, 5.853, 350.883



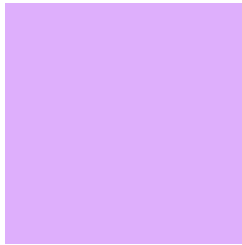
40, 67.778, 12.765



10, 30.469, 5.286

Previews

White Background



This preview shows how the CIELCh color 78, 44.221, 314.185 looks on a white background.

Color Contrast Check

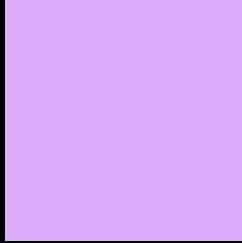
Large Text (above 18pt) WCAG AA × Fail

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, 44.221, 314.185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

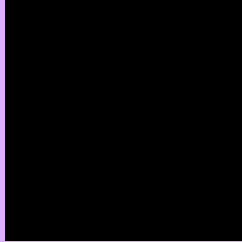
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 44.221, 314.185

Background



This preview shows how black text looks on a background with the CIELCh color 78, 44.221, 314.185.

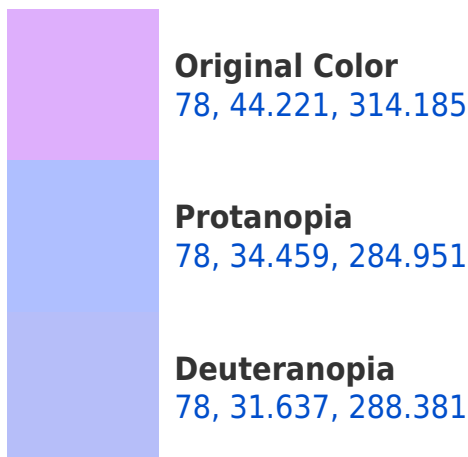



This preview shows how white text looks on a background with the CIELCh color 78, 44.221, 314.185.

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, 13.409, 343.839

Trichromacy



Original Color
78, 44.221, 314.185



Protanomaly
78, 37.156, 296.885



Deuteranomaly
78, 35.177, 299.586



Tritanomaly
78, 24.133, 323.909

Monochromacy



Original Color
78, 44.221, 314.185



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 16.215, 313.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 44.221, 314.185 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(222, 175, 252)` looks like.

```
.text, #text, p{  
    color:rgb(222, 175, 252)  
}
```

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(222, 175, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 175, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 44.221, 314.185 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(222, 175, 252) }
```

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

```
.border{ border-color:rgb(222, 175, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 175, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 175, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 175, 252);  
box-shadow:4px 4px 4px 4px rgb(222, 175,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 44.221, 314.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 175, 252) }
```

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

```
.background{ background-color: rgb(222,  
175, 252) }
```

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