

Converting Colors

CIELCh(82, 99.021, 311.280)

Have a look what the booklet for
CIELCh(82, 99.021, 311.280)
contains.

CIELCh(78, 57.809, 324.880)	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, 57.809, 324.880)

Conversions

Conversions Part 1

Format	Color
Hex	FAA1FF
RGB	250, 161, 255
RGB Percent	98%, 63%, 100%
CMY	0.0184, 0.3675, 0.0000
CMYK	0.02, 0.37, 0.00, 0.00
HSL	297°, 100%, 82%
HSV	297°, 37%, 100%
XYZ	70.4305, 53.2120, 101.4261
YIQ	198.3270, 22.8700, 48.1020

Conversions

Conversions Part 2

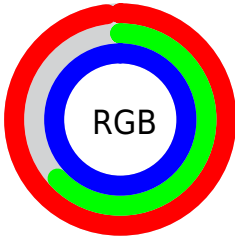
Format	Color
R _Y B	250, 161, 255
Decimal	16425471
CIE Lab	78.00, 47.28, -33.26
CIE LCh	78, 57.809, 324.880
Yxy	53.2120, 0.3129, 0.2364
Android (android.graphics.Color)	4294615551 (0xFFFAA1FF)
YUV	198.3270, 27.9398, 45.3172
Hunter-Lab	72.9466, 44.6868, -31.3752

Details

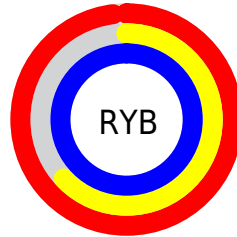
The CIELCh color **78, 57.809, 324.880** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **93, 57.545, 140.553**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **91, 23.800, 325.253**, and **58, 57.955, 324.876** is the 20% darker color. If you saturate the color by 10%, you get **73, 72.431, 325.417**, and if you desaturate by 10%, it is **84, 42.177, 324.476**.

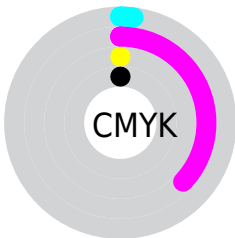
Distribution



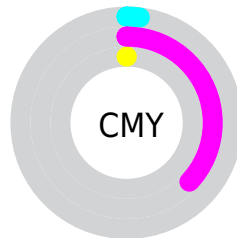
- Red (98%)
- Green (63%)
- Blue (100%)



- Red (98%)
- Yellow (63%)
- Blue (100%)



- Cyan (2%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (37%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 57.809, 324.880 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, 57.809, 324.880 by changing the saturation by 10% instead.


 78, 57.809,
324.880

 78, 57.809,
324.880


 100, 57.809,
324.880


 68, 57.809,
324.880


 98, 57.809,
324.880

 58, 57.809,
324.880

 48, 57.809,
324.880

 38, 57.809,
324.880

 28, 57.809,
324.880

 18, 57.809,
324.880

 8, 57.809, 324.880

■ 0, 57.809, 324.880

■ 78, 57.809,
324.880

■ 78, 57.809,
324.880

■ 73, 72.431,
325.417

■ 84, 42.177,
324.476

■ 68, 85.884,
325.800

■ 90, 26.369,
323.958

■ 64, 97.394,
326.095

■ 96, 10.564,
323.421

■ 62, 106.344,
326.279

■ 100, 0.012,
296.813

■ 60, 112.316,
326.338

■ 58, 115.296,
326.270

■ 58,115.879,
326.232

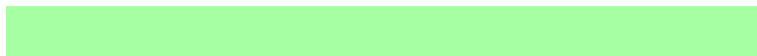
Harmonies

Complementary

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



78, 57.809, 324.880



93, 57.545, 140.553

Rectangle

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



78, 57.809, 324.880



78, 57.809, 14.880



78, 57.809, 144.880



78, 57.809, 194.880

Sweetspot

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



78, 57.676, 324.968



93, 17.270, 323.653



71, 47.702, 292.442



49, 11.613, 323.726



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, 57.676, 324.968



74, 68.481, 325.299



77, 43.684, 343.544



50, 8.918, 323.573



44, 93.328, 326.266



12, 42.919, 326.500

Inverse Universe

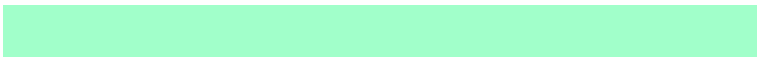
The Inverse Universe completely reimagines the original color for something new.



76, 37.351, 19.122



72, 45.670, 20.394



93, 42.378, 156.762



49, 5.258, 15.896



40, 82.119, 38.104



10, 32.964, 25.168

Previews

White Background



This preview shows how the CIELCh color 78, 57.809, 324.880 looks on a white background.

Color Contrast Check

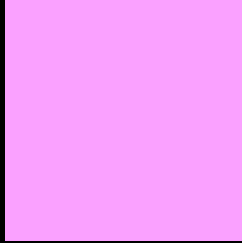
Large Text (above 18pt) WCAG AA × Fail

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, 57.809, 324.880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

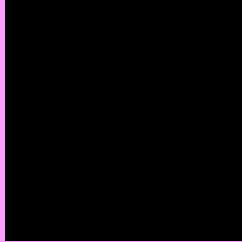
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 57.809, 324.880

Background



This preview shows how black text looks on a background with the CIELCh color 78, 57.809, 324.880.

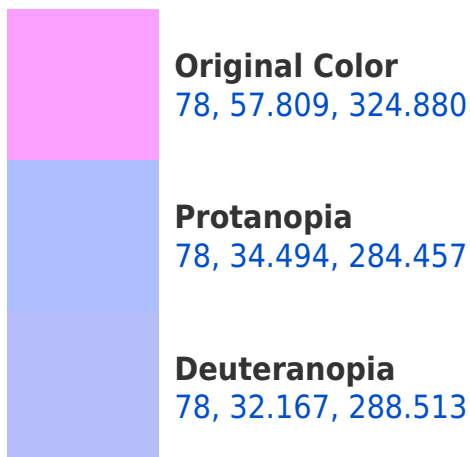


This preview shows how white text looks on a background with the CIELCh color 78, 57.809, 324.880.

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, 26.093, 6.478

Trichromacy



Original Color
78, 57.809, 324.880



Protanomaly
78, 41.054, 303.595



Deuteranomaly
78, 39.795, 306.283



Tritanomaly
78, 34.850, 342.809

Monochromacy



Original Color
78, 57.809, 324.880



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 21.726, 324.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 57.809, 324.880 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(250, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 161, 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(250, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 161, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 57.809, 324.880 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(250, 161, 255) }
```

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

```
.border{ border-color:rgb(250, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 161,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 57.809, 324.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 161, 255) }
```

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

```
.background{ background-color: rgb(250,  
161, 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](#).

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