

Converting Colors

CIELCh(78, 21.746, 311.643)

Have a look what the booklet for
CIELCh(78, 21.746, 311.643)
contains.

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Color

CIELCh(78, 21.768, 311.634)

Conversions

Conversions Part 1

Format	Color
Hex	CEB9DF
RGB	206, 185, 223
RGB Percent	81%, 73%, 87%
CMY	0.1917, 0.2741, 0.1251
CMYK	0.08, 0.17, 0.00, 0.13
HSL	273°, 37%, 80%
HSV	273°, 17%, 87%
XYZ	56.1878, 53.2120, 77.1978
YIQ	195.6110, 0.3180, 16.2700

Conversions

Conversions Part 2

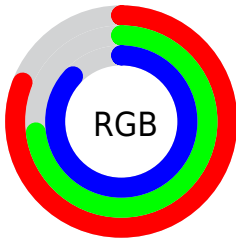
Format	Color
RYB	206, 185, 223
Decimal	13547999
CIELab	78.00, 14.46, -16.27
CIELCh	78, 21.768, 311.634
Yxy	53.2120, 0.3011, 0.2852
Android (android.graphics.Color)	4291738079 (0xFFCEB9DF)
YUV	195.6110, 13.5028, 9.1112
Hunter-Lab	72.9466, 9.8348, -11.6828

Details

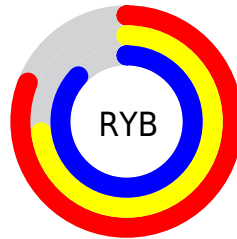
The CIELCh color **78, 21.768, 311.634** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86, 21.323, 130.140**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 8.725, 324.710**, and **58, 21.860, 311.922** is the 20% darker color. If you saturate the color by 10%, you get **72, 34.954, 312.119**, and if you desaturate by 10%, it is **84, 8.871, 311.168**.

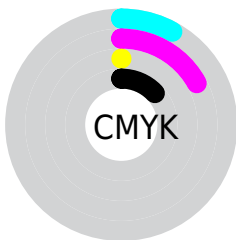
Distribution



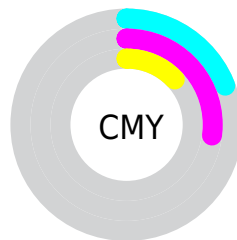
- Red (81%)
- Green (73%)
- Blue (87%)



- Red (81%)
- Yellow (73%)
- Blue (87%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)





- Cyan (19%)
- Magenta (27%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 21.768, 311.634 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, 21.768, 311.634 by changing the saturation by 10% instead.

 78, 21.768,
311.634

 78, 21.768,
311.634

 100, 21.768,
311.634


 68, 21.768,
311.634


 98, 21.768,
311.634

 58, 21.768,
311.634

 48, 21.768,
311.634

 38, 21.768,
311.634

 28, 21.768,
311.634

 18, 21.768,
311.634

 8, 21.768, 311.634

0, 21.768, 311.634

78, 21.768,
311.634

78, 21.768,
311.634

72, 34.954,
312.119

84, 8.871, 311.168

91, 3.675, 130.806

66, 48.325,
312.617

97, 15.851,
130.396

60, 61.681,
313.102

99, 16.500,
120.349

54, 74.688,
313.533

99, 16.132,
108.958

49, 86.829,
313.850

44, 97.375,
313.968

■ 40,105.473,
313.785

■ 38,110.490,
313.219

■ 37,111.664,
313.023

Harmonies

Complementary

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



78, 21.768, 311.634



86, 21.323, 130.140

Rectangle

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



78, 21.768, 311.634



78, 21.768, 1.634



78, 21.768, 131.634



78, 21.768, 181.634

Sweetspot

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



78, 21.766, 311.633



96, 7.013, 311.075



81, 12.413, 263.088



51, 4.788, 311.109



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, 21.766, 311.633



86, 28.594, 311.782



79, 23.611, 326.755



44, 7.219, 311.279



29, 93.372, 313.201



4, 33.850, 312.299

Inverse Universe

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



79, 16.737, 348.122



87, 21.980, 348.447



85, 23.583, 144.731



44, 5.551, 347.368



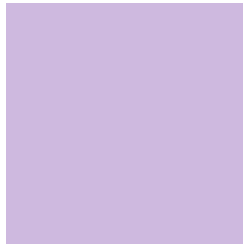
37, 63.913, 6.875



6, 25.978, 358.537

Previews

White Background



This preview shows how the CIELCh color 78, 21.768, 311.634 looks on a white background.

Color Contrast Check

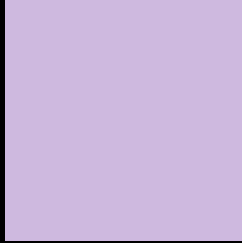
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 78, 21.768, 311.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

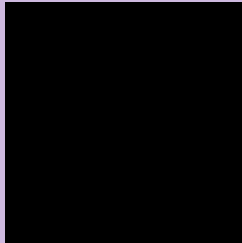
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 21.768, 311.634

Background



This preview shows how black text looks on a background with the CIELCh color 78, 21.768, 311.634.



This preview shows how white text looks on a background with the CIELCh color 78, 21.768, 311.634.

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, 21.768, 311.634

Protanopia

78, 19.331, 286.912

Deuteranopia

78, 19.157, 302.263



Tritanopia
78, 9.115, 324.789

Trichromacy



Original Color
78, 21.768, 311.634

Protanomaly
78, 19.926, 295.897

Deuteranomaly
78, 19.999, 305.958

Tritanomaly
78, 13.180, 317.018

Monochromacy



Original Color
78, 21.768, 311.634

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 8.067, 311.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 21.768, 311.634 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(206, 185, 223)` looks like.

```
.text, #text, p{  
    color:rgb(206, 185, 223)  
}
```

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(206, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 185, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 21.768, 311.634 is called "border". The border property can be set on classes, ids or directly on the HTML element.

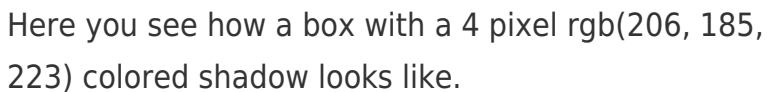
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 185, 223) }
```

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

```
.border{ border-color:rgb(206, 185, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 185, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 185, 223); box-shadow:4px 4px 4px 4px rgb(206, 185, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 21.768, 311.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 185, 223) }
```

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

```
.background{ background-color: rgb(206,  
185, 223) }
```

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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