

Converting Colors

CIELCh(78, 16.586, 299.985)

Have a look what the booklet for
CIELCh(78, 16.586, 299.985)
contains.

CIELCh(78, 16.322, 300.220)	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, 16.322, 300.220)

Conversions

Conversions Part 1

Format	Color
Hex	C4BDDB
RGB	196, 189, 219
RGB Percent	77%, 74%, 86%
CMY	0.2316, 0.2590, 0.1414
CMYK	0.11, 0.14, 0.00, 0.14
HSL	254°, 29%, 80%
HSV	254°, 14%, 86%
XYZ	53.7156, 53.2120, 74.4195
YIQ	194.5130, -5.4580, 10.8140

Conversions

Conversions Part 2

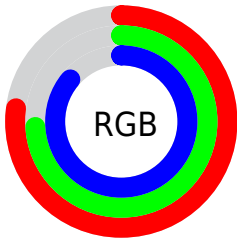
Format	Color
R_{YB}	196, 189, 219
Decimal	12893659
CIE _{Lab}	78.00, 8.22, -14.10
CIE _{LCh}	78, 16.322, 300.220
Yxy	53.2120, 0.2962, 0.2934
Android (android.graphics.Color)	4291083739 (0xFFC4BDDDB)
YUV	194.5130, 12.0721, 1.3041
Hunter-Lab	72.9466, 3.7856, -9.4246

Details

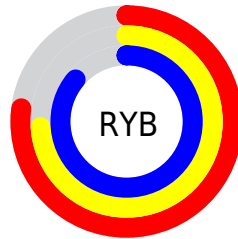
The CIELCh color **78, 16.322, 300.220** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86, 15.864, 118.393**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 5.859, 318.943**, and **58, 16.139, 299.771** is the 20% darker color. If you saturate the color by 10%, you get **71, 28.764, 301.034**, and if you desaturate by 10%, it is **85, 4.333, 299.503**.

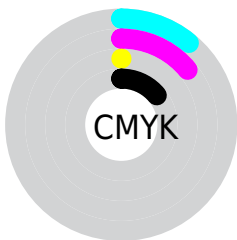
Distribution



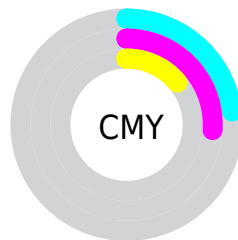
- Red (77%)
- Green (74%)
- Blue (86%)



- Red (77%)
- Yellow (74%)
- Blue (86%)



- Cyan (11%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)





- Cyan (23%)
- Magenta (26%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 16.322, 300.220 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, 16.322, 300.220 by changing the saturation by 10% instead.


 78, 16.322,
300.220


 78, 16.322,
300.220


 100, 16.322,
300.220


 68, 16.322,
300.220


 98, 16.322,
300.220

 58, 16.322,
300.220

 48, 16.322,
300.220

 38, 16.322,
300.220

 28, 16.322,
300.220

 18, 16.322,
300.220

 8, 16.322, 300.220

0, 16.322, 300.220

78, 16.322,
300.220

78, 16.322,
300.220

71, 28.764,
301.034

85, 4.333, 299.503

64, 41.662,
301.961

92, 7.214, 118.897

57, 54.969,
302.995

98, 18.343,
118.365

51, 68.550,
304.113

99, 18.230,
108.799

45, 82.086,
305.259

39, 94.937,
306.323

■ 34, 105.999,
307.131

■ 30, 113.828,
307.468

■ 29, 117.092,
307.480

Harmonies

Complementary

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



78, 16.322, 300.220



86, 15.864, 118.393

Rectangle

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



78, 16.322, 300.220



78, 16.322, 350.220



78, 16.322, 120.220



78, 16.322, 170.220

Sweetspot

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



78, 16.320, 300.218



97, 5.303, 299.525



84, 8.767, 222.038



51, 3.773, 299.577



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, 16.320, 300.218



88, 21.667, 300.407



79, 17.838, 316.828



42, 6.719, 299.901



22, 98.223, 307.598



2, 29.996, 300.610

Inverse Universe

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



80, 16.436, 332.584



90, 21.749, 332.750



85, 17.659, 135.660



43, 6.801, 332.293



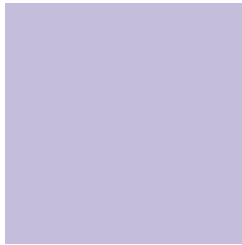
39, 72.392, 340.182



6, 29.328, 337.676

Previews

White Background



This preview shows how the CIELCh color 78, 16.322, 300.220 looks on a white background.

Color Contrast Check

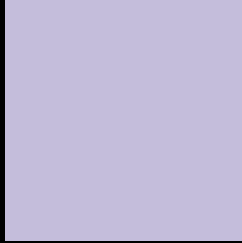
Large Text (above 18pt) WCAG AA × Fail

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, 16.322, 300.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

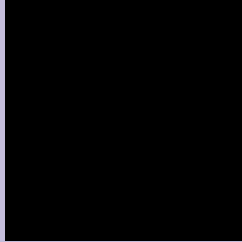
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 16.322, 300.220

Background



This preview shows how black text looks on a background with the CIELCh color 78, 16.322, 300.220.



This preview shows how white text looks on a background with the CIELCh color 78, 16.322, 300.220.

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, 16.322, 300.220

Protanopia

78, 15.560, 287.786

Deuteranopia

78, 17.135, 304.633



Tritanopia
78, 8.132, 298.502

Trichromacy



Original Color
78, 16.322, 300.220

Protanomaly
78, 16.103, 292.867

Deuteranomaly
78, 17.058, 303.480

Tritanomaly
78, 11.432, 300.116

Monochromacy



Original Color
78, 16.322, 300.220

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 6.010, 301.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 16.322, 300.220 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(196, 189, 219)` looks like.

```
.text, #text, p{  
    color:rgb(196, 189, 219)  
}
```

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(196, 189, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 189, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 16.322, 300.220 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(196, 189, 219) }
```

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

```
.border{ border-color:rgb(196, 189, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 189, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 189, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 189, 219);  
box-shadow:4px 4px 4px 4px rgb(196, 189,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 16.322, 300.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 189, 219) }
```

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

```
.background{ background-color: rgb(196,  
189, 219) }
```

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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