

Converting Colors

CIELCh(78, 17.403, 299.059)

Have a look what the booklet for
CIELCh(78, 17.403, 299.059)
contains.

CIELCh(78, 17.333, 298.611)	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, 17.333, 298.611)

Conversions

Conversions Part 1

Format	Color
Hex	C3BDDD
RGB	195, 189, 221
RGB Percent	76%, 74%, 87%
CMY	0.2353, 0.2588, 0.1334
CMYK	0.12, 0.14, 0.00, 0.13
HSL	251°, 32%, 80%
HSV	251°, 14%, 87%
XYZ	53.7487, 53.2120, 75.8384
YIQ	194.4420, -6.6960, 11.2240

Conversions

Conversions Part 2

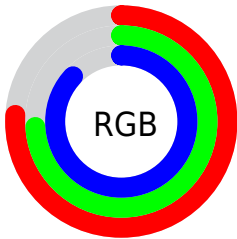
Format	Color
RYB	195, 189, 221
Decimal	12828125
CIELab	78.00, 8.30, -15.22
CIELCh	78, 17.333, 298.611
Yxy	53.2120, 0.2940, 0.2911
Android (android.graphics.Color)	4291018205 (0xFFC3BDDD)
YUV	194.4420, 13.0931, 0.4894
Hunter-Lab	72.9466, 3.8665, -10.5779

Details

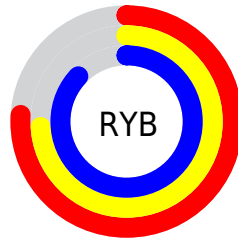
The CIELCh color **78, 17.333, 298.611** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87, 16.800, 116.501**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 5.699, 315.860**, and **58, 17.219, 298.142** is the 20% darker color. If you saturate the color by 10%, you get **71, 29.872, 299.516**, and if you desaturate by 10%, it is **85, 5.266, 297.823**.

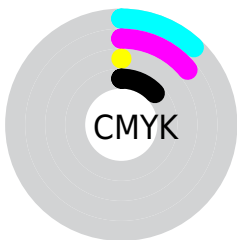
Distribution



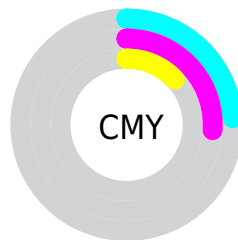
- Red (76%)
- Green (74%)
- Blue (87%)



- Red (76%)
- Yellow (74%)
- Blue (87%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)





- Cyan (24%)
- Magenta (26%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 17.333, 298.611 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, 17.333, 298.611 by changing the saturation by 10% instead.


 78, 17.333,
298.611


 78, 17.333,
298.611


 100, 17.333,
298.611


 68, 17.333,
298.611


 98, 17.333,
298.611

 58, 17.333,
298.611

 48, 17.333,
298.611

 38, 17.333,
298.611

 28, 17.333,
298.611

 18, 17.333,
298.611

 8, 17.333, 298.611

■ 0, 17.333, 298.611

■ 78, 17.333,
298.611

■ 78, 17.333,
298.611

■ 71, 29.872,
299.516

■ 85, 5.266, 297.823

■ 64, 42.894,
300.553

■ 92, 6.346, 117.149

■ 57, 56.359,
301.719

■ 99, 17.371,
116.292

■ 50, 70.138,
302.994

■ 99, 17.199,
108.877

■ 44, 83.904,
304.314

■ 38, 96.971,
305.559

■ 33, 108.127,
306.530

■ 30, 115.793,
306.991

■ 29, 118.607,
307.082

Harmonies

Complementary

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



78, 17.333, 298.611



87, 16.800, 116.501

Rectangle

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



78, 17.333, 298.611



78, 17.333, 348.611



78, 17.333, 118.611



78, 17.333, 168.611

Sweetspot

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



78, 17.331, 298.609



97, 5.278, 297.790



84, 9.472, 217.971



51, 3.755, 297.846



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, 17.331, 298.609



87, 22.971, 298.837



79, 18.853, 315.804



42, 6.689, 298.198



21, 98.815, 307.185



2, 29.895, 299.499

Inverse Universe

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



80, 18.085, 330.974



89, 23.877, 331.147



86, 18.629, 134.577



43, 7.026, 330.646



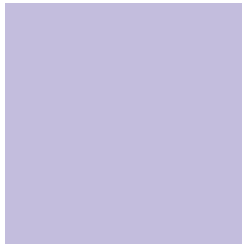
39, 74.860, 337.349



6, 30.286, 335.463

Previews

White Background



This preview shows how the CIELCh color 78, 17.333, 298.611 looks on a white background.

Color Contrast Check

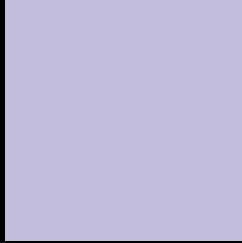
Large Text (above 18pt) WCAG AA × Fail

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, 17.333, 298.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

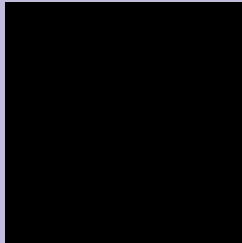
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 17.333, 298.611

Background



This preview shows how black text looks on a background with the CIELCh color 78, 17.333, 298.611.



This preview shows how white text looks on a background with the CIELCh color 78, 17.333, 298.611.

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, 17.333, 298.611

Protanopia

78, 16.646, 286.971

Deuteranopia

78, 18.107, 302.831



Tritanopia
78, 8.622, 295.711

Trichromacy



Original Color
78, 17.333, 298.611

Protanomaly
78, 17.165, 291.734

Deuteranomaly
78, 18.041, 301.741

Tritanomaly
78, 11.911, 298.062

Monochromacy



Original Color
78, 17.333, 298.611

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 6.483, 297.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 17.333, 298.611 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(195, 189, 221)` looks like.

```
.text, #text, p{  
    color:rgb(195, 189, 221)  
}
```

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(195, 189, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 189, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 17.333, 298.611 is called "border". The border property can be set on classes, ids or directly on the HTML element.

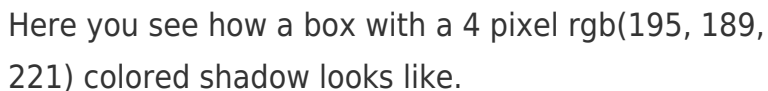
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 189, 221) }
```

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

```
.border{ border-color:rgb(195, 189, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 189, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 189, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 189, 221);  
box-shadow:4px 4px 4px 4px rgb(195, 189,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 17.333, 298.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 189, 221) }
```

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

```
.background{ background-color: rgb(195,  
189, 221) }
```

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