

Converting Colors

CIELCh(78, 7.600, 197.584)

Have a look what the booklet for
CIELCh(78, 7.600, 197.584) contains.

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Color

CIELCh(78, 7.500, 198.903)

Conversions

Conversions Part 1

Format	Color
Hex	B0C5C5
RGB	176, 197, 197
RGB Percent	69%, 77%, 77%
CMY	0.3097, 0.2273, 0.2273
CMYK	0.11, 0.00, 0.00, 0.23
HSL	180°, 15%, 73%
HSV	180°, 11%, 77%
XYZ	47.9655, 53.2120, 60.5840
YIQ	190.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

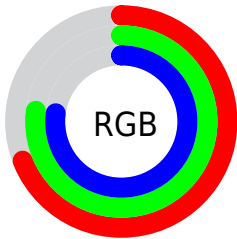
Format	Color
R_{YB}	176, 187, 197
Decimal	11584965
CIE Lab	78.00, -7.10, -2.43
CIE LCh	78, 7.500, 198.903
Yxy	53.2120, 0.2965, 0.3290
Android (android.graphics.Color)	4289775045 (0xFFB0C5C5)
YUV	190.7210, 3.0955, -12.9103
Hunter-Lab	72.9466, -10.2849, 1.8207

Details

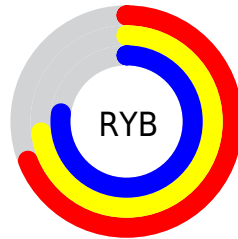
The CIELCh color **78, 7.500, 198.903** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74, 8.021, 20.012**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 7.526, 199.016**, and **58, 7.517, 198.734** is the 20% darker color. If you saturate the color by 10%, you get **77, 14.120, 198.356**, and if you desaturate by 10%, it is **79, 0.474, 200.509**.

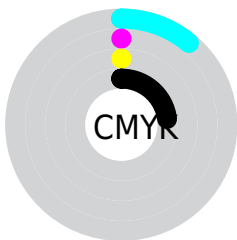
Distribution



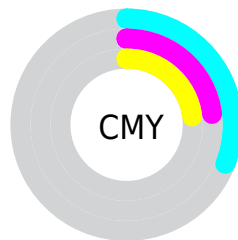
- Red (69%)
- Green (77%)
- Blue (77%)



- Red (69%)
- Yellow (73%)
- Blue (77%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 7.500, 198.903 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, 7.500, 198.903 by changing the saturation by 10% instead.

■ 78, 7.500, 198.903

■ 78, 7.500, 198.903

■ 100, 7.500,
198.903

■ 68, 7.500, 198.903

■ 98, 7.500, 198.903

■ 58, 7.500, 198.903

■ 48, 7.500, 198.903

■ 38, 7.500, 198.903

■ 28, 7.500, 198.903

■ 18, 7.500, 198.903

■ 8, 7.500, 198.903

■ 0, 7.500, 198.903

■ 78, 7.500, 198.903

■ 78, 7.500, 198.903

77, 14.120,
198.356

79, 0.474, 200.509

76, 20.219,
197.891

81, 6.857, 19.849

75, 25.682,
197.485

83, 14.399, 20.485

74, 30.401,
197.141

85, 22.076, 21.108

73, 34.290,
196.861

85, 22.136, 21.110

73, 37.295,
196.648

85, 22.136, 21.106

72, 39.406,
196.499

85, 22.136, 21.102

72, 40.673,
196.409

85, 22.136, 21.099

72, 41.276,

85, 22.136, 21.095

Harmonies

Complementary

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



78, 7.500, 198.903



74, 8.021, 20.012

Rectangle

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



78, 7.500, 198.903



78, 7.500, 248.903



78, 7.500, 18.903



78, 7.500, 68.903

Sweetspot

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



78, 7.501, 198.891



99, 2.650, 199.476



77, 13.687, 143.401



53, 2.005, 199.379



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, 7.501, 198.891



98, 11.202, 198.746



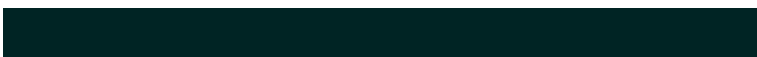
75, 6.638, 255.020



41, 4.034, 198.967



61, 35.892, 196.366



12, 12.985, 196.370

Inverse Universe

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



74, 8.021, 20.012



91, 12.182, 20.216



76, 6.828, 72.270



39, 4.279, 19.912



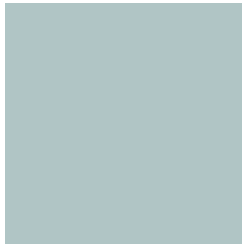
34, 74.639, 39.771



3, 15.885, 19.398

Previews

White Background



This preview shows how the CIELCh color 78, 7.500, 198.903 looks on a white background.

Color Contrast Check

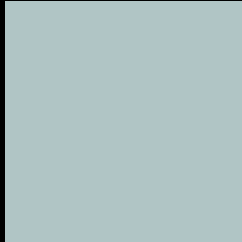
Large Text (above 18pt) WCAG AA × Fail

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, 7.500, 198.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

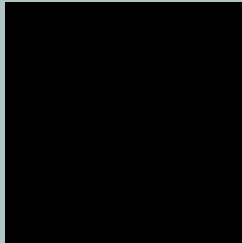
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

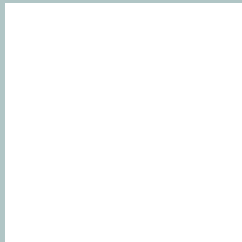
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 7.500, 198.903

Background



This preview shows how black text looks on a background with the CIELCh color 78, 7.500, 198.903.

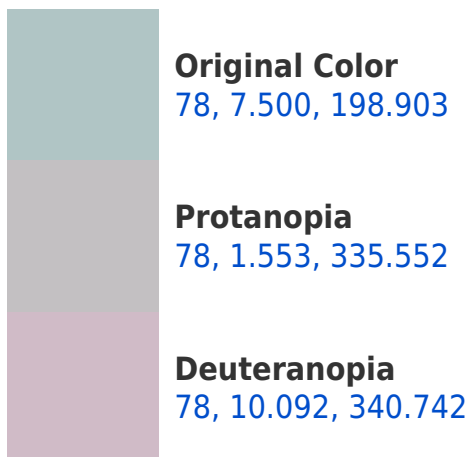



This preview shows how white text looks on a background with the CIELCh color 78, 7.500, 198.903.

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, 9.850, 254.021

Trichromacy



Original Color
78, 7.500, 198.903

Protanomaly
78, 2.241, 213.311

Deuteranomaly
78, 4.198, 316.287

Tritanomaly
78, 8.135, 235.484

Monochromacy



Original Color
78, 7.500, 198.903

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 2.552, 199.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 7.500, 198.903 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(176, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(176, 197, 197)  
}
```

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(176, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 197, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 7.500, 198.903 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(176, 197, 197) }
```

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

```
.border{ border-color:rgb(176, 197, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 197, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 197, 197); box-shadow:4px 4px 4px 4px rgb(176, 197, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 7.500, 198.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 197, 197) }
```

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

```
.background{ background-color: rgb(176,  
197, 197) }
```

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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