

Converting Colors

CIELCh(78, 12.565, 198.497)

Have a look what the booklet for
CIELCh(78, 12.565, 198.497)
contains.

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Color

CIELCh(78, 12.557, 198.502)

Conversions

Conversions Part 1

Format	Color
Hex	A4C8C8
RGB	164, 200, 200
RGB Percent	64%, 78%, 78%
CMY	0.3578, 0.2167, 0.2167
CMYK	0.18, 0.00, 0.00, 0.22
HSL	180°, 25%, 71%
HSV	180°, 18%, 78%
XYZ	46.2469, 53.2120, 62.3184
YIQ	189.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

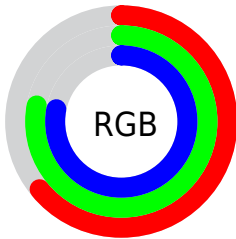
Format	Color
RYB	164, 182, 200
Decimal	10799304
CIELab	78.00, -11.91, -3.98
CIELCh	78, 12.557, 198.502
Yxy	53.2120, 0.2859, 0.3289
Android (android.graphics.Color)	4288989384 (0xFFA4C8C8)
YUV	189.2360, 5.3067, -22.1320
Hunter-Lab	72.9466, -14.4905, 0.4110

Details

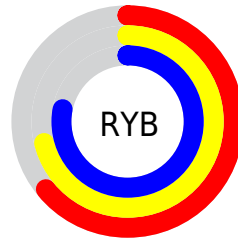
The CIELCh color **78, 12.557, 198.502** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 14.115, 20.637**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 12.126, 198.696**, and **58, 12.714, 198.234** is the 20% darker color. If you saturate the color by 10%, you get **77, 18.874, 198.014**, and if you desaturate by 10%, it is **79, 5.745, 199.059**.

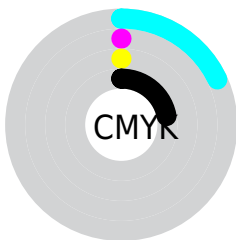
Distribution



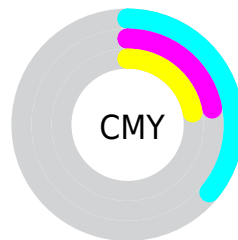
- Red (64%)
- Green (78%)
- Blue (78%)



- Red (64%)
- Yellow (71%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (36%)
- Magenta (22%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 12.557, 198.502 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, 12.557, 198.502 by changing the saturation by 10% instead.


 78, 12.557,
198.502

 78, 12.557,
198.502


 100, 12.557,
198.502


 68, 12.557,
198.502


 98, 12.557,
198.502

 58, 12.557,
198.502

 48, 12.557,
198.502

 38, 12.557,
198.502

 28, 12.557,
198.502

 18, 12.557,
198.502

 8, 12.557, 198.502

0, 12.557, 198.502

78, 12.557,
198.502

78, 12.557,
198.502

77, 18.874,
198.014

79, 5.745, 199.059

76, 24.576,
197.592

81, 1.451, 19.132

75, 29.553,
197.232

82, 8.928, 20.028

74, 33.709,
196.936

85, 21.014, 21.010

74, 36.981,
196.705

85, 21.014, 21.008

73, 39.346,
196.541

85, 21.014, 21.007

85, 21.014, 21.005

■ 73, 40.837,
196.437

■ 85, 21.014, 21.003

■ 73, 41.583,
196.385

■ 73, 41.698,
196.377

Harmonies

Complementary

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



78, 12.557, 198.502



70, 14.115, 20.637

Rectangle

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



78, 12.557, 198.502



78, 12.557, 248.502



78, 12.557, 18.502



78, 12.557, 68.502

Sweetspot

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



78, 12.558, 198.495



99, 4.397, 199.272



77, 23.478, 142.900



53, 2.995, 199.215



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, 12.558, 198.495



96, 18.436, 198.281



73, 11.290, 256.105



41, 4.034, 198.973



61, 35.890, 196.377



12, 12.984, 196.379

Inverse Universe

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



70, 14.115, 20.637



85, 21.363, 21.044



75, 11.888, 71.402



39, 4.279, 19.918



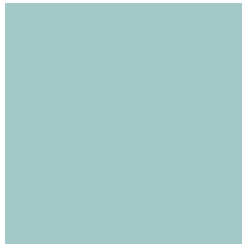
34, 74.642, 39.774



3, 15.885, 19.402

Previews

White Background



This preview shows how the CIELCh color 78, 12.557, 198.502 looks on a white background.

Color Contrast Check

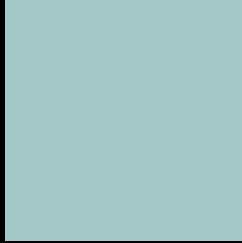
Large Text (above 18pt) WCAG AA × Fail

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, 12.557, 198.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

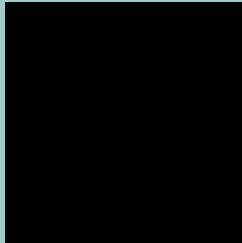
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

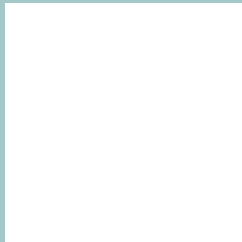
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 12.557, 198.502

Background



This preview shows how black text looks on a background with the CIELCh color 78, 12.557, 198.502.

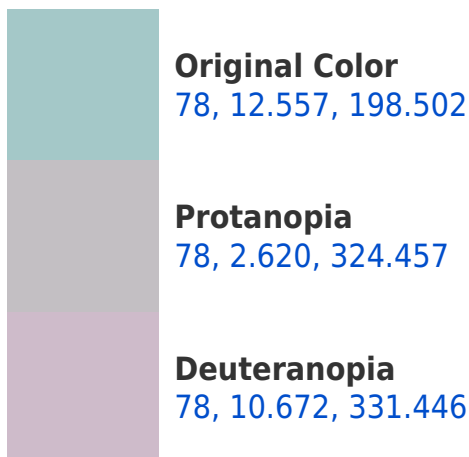


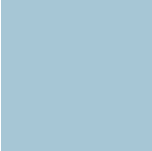
This preview shows how white text looks on a background with the CIELCh color 78, 12.557, 198.502.

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](#).

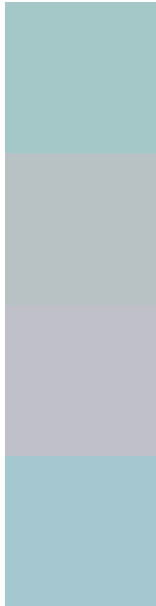
Dichromacy





Tritanopia
78, 13.299, 236.114

Trichromacy



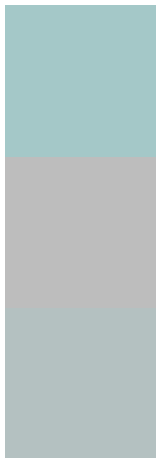
Original Color
78, 12.557, 198.502

Protanomaly
78, 3.923, 223.505

Deuteranomaly
78, 4.835, 286.355

Tritanomaly
78, 12.479, 221.468

Monochromacy



Original Color
78, 12.557, 198.502

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 4.707, 199.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 12.557, 198.502 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(164, 200, 200)` looks like.

```
.text, #text, p{  
    color:rgb(164, 200, 200)  
}
```

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(164, 200, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 200, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 12.557, 198.502 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(164, 200, 200) }
```

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

```
.border{ border-color:rgb(164, 200, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 200, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 200, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 200, 200);  
box-shadow:4px 4px 4px 4px rgb(164, 200,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 12.557, 198.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 200, 200) }
```

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

```
.background{ background-color: rgb(164,  
200, 200) }
```

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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