

Converting Colors

CIELCh(78, 14.674, 198.337)

Have a look what the booklet for
CIELCh(78, 14.674, 198.337)
contains.

CIELCh(78, 14.824, 198.331)	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, 14.824, 198.331)

Conversions

Conversions Part 1

Format	Color
Hex	9EC9C9
RGB	158, 201, 201
RGB Percent	62%, 79%, 79%
CMY	0.3807, 0.2121, 0.2121
CMYK	0.21, 0.00, 0.00, 0.21
HSL	180°, 28%, 70%
HSV	180°, 21%, 79%
XYZ	45.4877, 53.2120, 63.0842
YIQ	188.1430, -25.6280, -9.1160

Conversions

Conversions Part 2

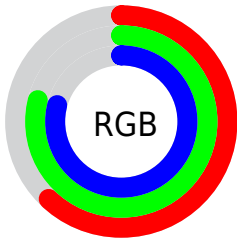
Format	Color
RYB	158, 180, 201
Decimal	10406345
CIELab	78.00, -14.07, -4.66
CIELCh	78, 14.824, 198.331
Yxy	53.2120, 0.2812, 0.3289
Android (android.graphics.Color)	4288596425 (0xFF9EC9C9)
YUV	188.1430, 6.3385, -26.4354
Hunter-Lab	72.9466, -16.3482, -0.2114

Details

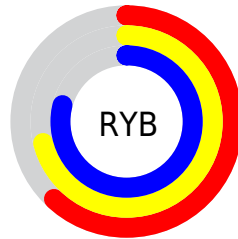
The CIELCh color **78, 14.824, 198.331** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 17.066, 20.955**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 14.050, 198.569**, and **58, 14.994, 198.024** is the 20% darker color. If you saturate the color by 10%, you get **77, 20.975, 197.864**, and if you desaturate by 10%, it is **79, 8.135, 198.854**.

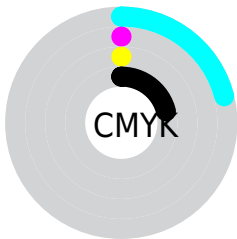
Distribution



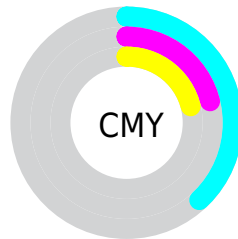
- Red (62%)
- Green (79%)
- Blue (79%)



- Red (62%)
- Yellow (71%)
- Blue (79%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (38%)
- Magenta (21%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 14.824, 198.331 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, 14.824, 198.331 by changing the saturation by 10% instead.


 78, 14.824,
198.331


 78, 14.824,
198.331


 100, 14.824,
198.331


 68, 14.824,
198.331


 98, 14.824,
198.331

 58, 14.824,
198.331

 48, 14.824,
198.331

 38, 14.824,
198.331

 28, 14.824,
198.331

 18, 14.824,
198.331

 8, 14.824, 198.331

0, 14.824, 198.331

78, 14.824,
198.331

78, 14.824,
198.331

77, 20.975,
197.864

79, 8.135, 198.854

76, 26.469,
197.463

81, 1.023, 199.864

82, 6.406, 19.806

75, 31.199,
197.124

84, 14.056, 20.446

75, 35.079,
196.850

86, 20.527, 20.965

86, 20.527, 20.963

74, 38.056,
196.643

86, 20.527, 20.961

74, 40.126,
196.499

86, 20.527, 20.960

■ 74, 41.343,
196.415

■ 86, 20.527, 20.958

■ 74, 41.882,
196.378

Harmonies

Complementary

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



78, 14.824, 198.331



69, 17.066, 20.955

Rectangle

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



78, 14.824, 198.331



78, 14.824, 248.331



78, 14.824, 18.331



78, 14.824, 68.331

Sweetspot

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



78, 14.825, 198.325



99, 5.264, 199.193



77, 28.037, 142.652



53, 3.486, 199.145



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, 14.825, 198.325



96, 21.482, 198.089



72, 13.438, 256.659



41, 4.034, 198.974



61, 35.890, 196.378



12, 12.984, 196.380

Inverse Universe

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



69, 17.066, 20.955



82, 25.641, 21.471



74, 14.306, 70.996



39, 4.279, 19.918



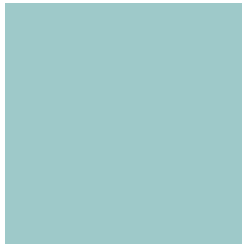
34, 74.642, 39.774



3, 15.885, 19.402

Previews

White Background



This preview shows how the CIE LCh color 78, 14.824, 198.331 looks on a white background.

Color Contrast Check

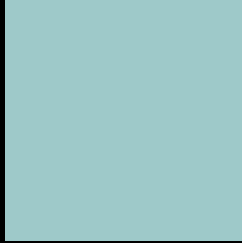
Large Text (above 18pt) WCAG AA × Fail

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, 14.824, 198.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

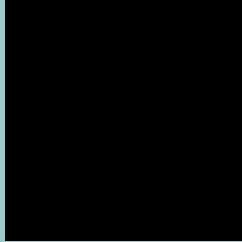
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

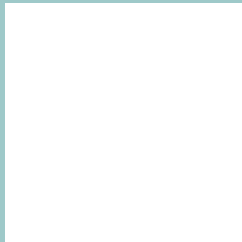
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 14.824, 198.331

Background



This preview shows how black text looks on a background with the CIELCh color 78, 14.824, 198.331.

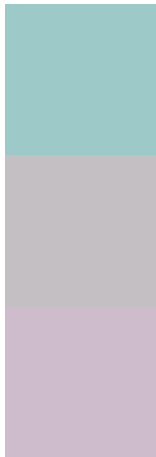


This preview shows how white text looks on a background with the CIELCh color 78, 14.824, 198.331.

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, 14.824, 198.331

Protanopia
78, 2.620, 324.457

Deuteranopia
78, 11.493, 327.939



Tritanopia
78, 15.100, 233.404

Trichromacy



Original Color
78, 14.824, 198.331

Protanomaly
78, 4.780, 212.142

Deuteranomaly
78, 5.977, 280.373

Tritanomaly
78, 14.400, 220.459

Monochromacy



Original Color
78, 14.824, 198.331

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 5.771, 199.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 14.824, 198.331 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(158, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(158, 201, 201)  
}
```

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(158, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 201, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 14.824, 198.331 is called "border". The border property can be set on classes, ids or directly on the HTML element.

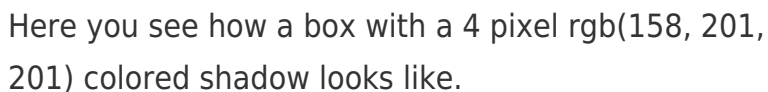
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 201, 201) }
```

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

```
.border{ border-color:rgb(158, 201, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 201, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 201, 201); box-shadow:4px 4px 4px 4px rgb(158, 201, 201) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 14.824, 198.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 201, 201) }
```

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

```
.background{ background-color: rgb(158,  
201, 201) }
```

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