

Converting Colors

CIELCh(78, 15.248, 193.627)

Have a look what the booklet for
CIELCh(78, 15.248, 193.627)
contains.

CIELCh(78, 15.282, 194.245)	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, 15.282, 194.245)

Conversions

Conversions Part 1

Format	Color
Hex	9DC9C7
RGB	157, 201, 199
RGB Percent	62%, 79%, 78%
CMY	0.3834, 0.2108, 0.2187
CMYK	0.22, 0.00, 0.01, 0.21
HSL	177°, 29%, 70%
HSV	177°, 22%, 79%
XYZ	45.2299, 53.2120, 62.0661
YIQ	187.6160, -25.5820, -9.9500

Conversions

Conversions Part 2

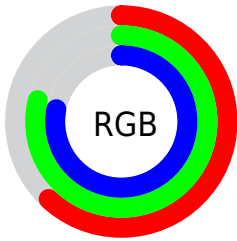
Format	Color
RYB	157, 180, 201
Decimal	10340807
CIELab	78.00, -14.81, -3.76
CIELCh	78, 15.282, 194.245
Yxy	53.2120, 0.2818, 0.3315
Android (android.graphics.Color)	4288530887 (0xFF9DC9C7)
YUV	187.6160, 5.6123, -26.8502
Hunter-Lab	72.9466, -16.9791, 0.6161

Details

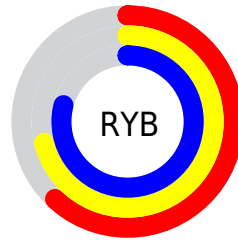
The CIELCh color **78, 15.282, 194.245** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 17.436, 17.448**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **58, 15.169, 193.666** is the 20% darker color. If you saturate the color by 10%, you get **77, 21.536, 193.608**, and if you desaturate by 10%, it is **79, 8.521, 194.907**.

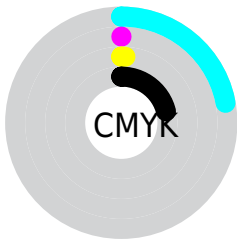
Distribution



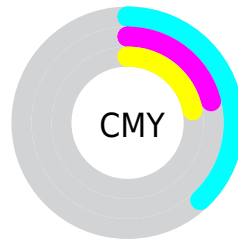
- Red (62%)
- Green (79%)
- Blue (78%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)





- Cyan (38%)
- Magenta (21%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 15.282, 194.245 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, 15.282, 194.245 by changing the saturation by 10% instead.


 78, 15.282,
194.245


 78, 15.282,
194.245


 100, 15.282,
194.245


 68, 15.282,
194.245


 98, 15.282,
194.245

 58, 15.282,
194.245

 48, 15.282,
194.245

 38, 15.282,
194.245

 28, 15.282,
194.245

 18, 15.282,
194.245

 8, 15.282, 194.245

0, 15.282, 194.245

78, 15.282,
194.245

78, 15.282,
194.245

77, 21.536,
193.608

79, 8.521, 194.907

81, 1.369, 195.898

76, 27.160,
193.000

82, 6.068, 16.074

75, 32.042,
192.411

84, 13.696, 16.799

74, 36.089,
191.835

86, 20.332, 17.204

86, 20.332, 15.867

74, 39.241,
191.266

86, 20.343, 14.530

74, 41.487,
190.691

86, 20.366, 13.195

■ 73, 42.877,
190.100

■ 86, 20.401, 11.865

■ 73, 43.542,
189.604

Harmonies

Complementary

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



78, 15.282, 194.245



69, 17.436, 17.448

Rectangle

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



78, 15.282, 194.245



78, 15.282, 244.245



78, 15.282, 14.245



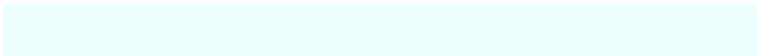
78, 15.282, 64.245

Sweetspot

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



78, 15.283, 194.240



99, 6.157, 195.260



77, 28.377, 141.781



53, 3.995, 195.212



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, 15.283, 194.240



96, 21.709, 193.953



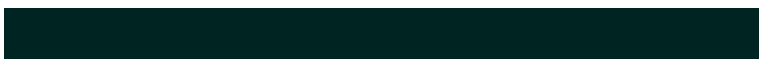
73, 13.379, 252.853



41, 4.056, 195.086



60, 37.244, 189.701



12, 13.353, 191.132

Inverse Universe

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



69, 17.436, 17.448



83, 25.519, 17.962



74, 14.443, 67.301



39, 4.281, 16.237



34, 72.832, 37.911



3, 15.907, 17.044

Previews

White Background



This preview shows how the CIELCh color 78, 15.282, 194.245 looks on a white background.

Color Contrast Check

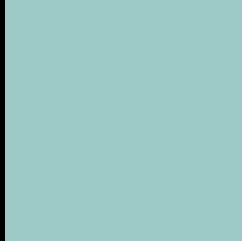
Large Text (above 18pt) WCAG AA × Fail

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, 15.282, 194.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

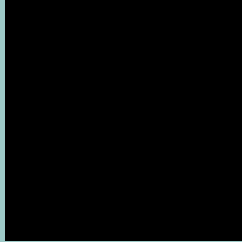
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

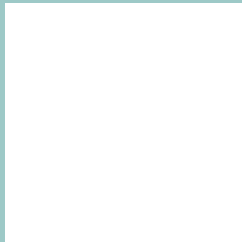
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 15.282, 194.245

Background



This preview shows how black text looks on a background with the CIELCh color 78, 15.282, 194.245.

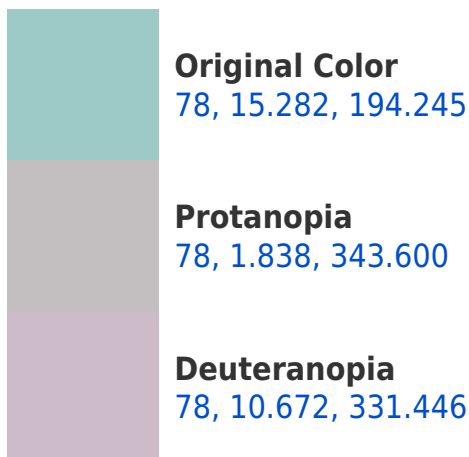


This preview shows how white text looks on a background with the CIELCh color 78, 15.282, 194.245.

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, 15.357, 232.728

Trichromacy



Original Color
78, 15.282, 194.245

Protanomaly
78, 5.053, 199.121

Deuteranomaly
78, 5.013, 273.975

Tritanomaly
78, 14.555, 217.920

Monochromacy



Original Color
78, 15.282, 194.245

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 5.819, 193.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 15.282, 194.245 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(157, 201, 199)` looks like.

```
.text, #text, p{  
    color:rgb(157, 201, 199)  
}
```

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(157, 201, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 201, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 15.282, 194.245 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(157, 201, 199) }
```

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

```
.border{ border-color:rgb(157, 201, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 201, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 201, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 201, 199);  
box-shadow:4px 4px 4px 4px rgb(157, 201,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 15.282, 194.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 201, 199) }
```

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

```
.background{ background-color: rgb(157,  
201, 199) }
```

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