

# Converting Colors

CIELCh(79, 12.238, 198.299)

Have a look what the booklet for  
CIELCh(79, 12.238, 198.299)  
contains.

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# **Color**

**CIELCh(79, 12.210, 198.536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7CACA
RGB	167, 202, 202
RGB Percent	65%, 79%, 79%
CMY	0.3438, 0.2065, 0.2065
CMYK	0.17, 0.00, 0.00, 0.21
HSL	180°, 25%, 72%
HSV	180°, 17%, 79%
XYZ	47.9038, 54.9284, 64.1612
YIQ	191.5350, -20.8600, -7.4200

# Conversions

## Conversions Part 2

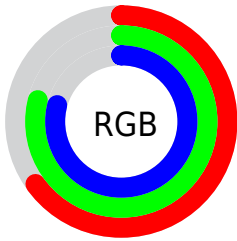
Format	Color
R <sub>YB</sub>	167, 185, 202
Decimal	10996426
CIE Lab	79.00, -11.58, -3.88
CIE LCh	79, 12.210, 198.536
Yxy	54.9284, 0.2869, 0.3289
Android (android.graphics.Color)	4289186506 (0xFFA7CACA)
YUV	191.5350, 5.1592, -21.5172
Hunter-Lab	74.1137, -14.3244, 0.5514

# Details

The CIELCh color **79, 12.210, 198.536** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 13.658, 20.572**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 10.827, 198.783**, and **59, 12.360, 198.279** is the 20% darker color. If you saturate the color by 10%, you get **78, 18.632, 198.042**, and if you desaturate by 10%, it is **80, 5.295, 199.104**.

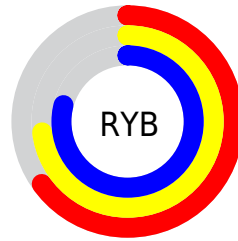
# Distribution



Red (65%)

Green (79%)

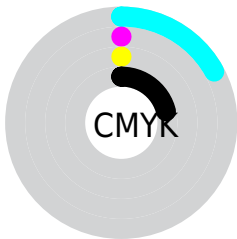
Blue (79%)



Red (65%)

Yellow (73%)

Blue (79%)

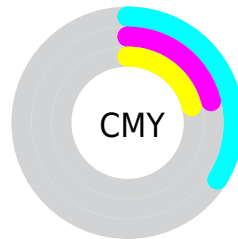


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (21%)



Cyan (34%)

Magenta (21%)


Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 12.210, 198.536 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 79, 12.210, 198.536 by changing the saturation by 10% instead.





 79, 12.210,  
198.536

 79, 12.210,  
198.536


 100, 12.210,  
198.536


 69, 12.210,  
198.536


 99, 12.210,  
198.536

 59, 12.210,  
198.536

 49, 12.210,  
198.536

 39, 12.210,  
198.536

 29, 12.210,  
198.536

 19, 12.210,  
198.536

 9, 12.210, 198.536

0, 12.210, 198.536

79, 12.210,  
198.536

79, 12.210,  
198.536

78, 18.632,  
198.042

80, 5.295, 199.104

77, 24.441,  
197.616

82, 2.000, 19.272

84, 9.573, 20.072

76, 29.524,  
197.251

85, 17.335, 20.700

75, 33.783,  
196.950

86, 19.948, 20.906

86, 19.948, 20.903

75, 37.150,  
196.715

86, 19.948, 20.901

74, 39.599,  
196.546

86, 19.948, 20.898

■ 74, 41.161,  
196.438

■ 86, 19.948, 20.895

■ 74, 41.948,  
196.383

■ 74, 42.103,  
196.372

# Harmonies

# Complementary

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



79, 12.210, 198.536



72, 13.658, 20.572

# Rectangle

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



79, 12.210, 198.536



79, 12.210, 248.536



79, 12.210, 18.536



79, 12.210, 68.536

# Sweetspot

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



79, 12.211, 198.529



99, 4.397, 199.270



78, 22.775, 142.950



53, 2.995, 199.213



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79, 12.211, 198.529



97, 17.658, 198.328



74, 10.960, 255.995



42, 4.119, 198.969



62, 36.303, 196.373



13, 13.514, 196.375



# Inverse Universe

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



72, 13.658, 20.572



86, 20.312, 20.942



76, 11.515, 71.486



40, 4.369, 19.918



34, 75.550, 39.819



4, 17.910, 19.400



# Previews

## White Background



This preview shows how the CIELCh color 79, 12.210, 198.536 looks on a white background.

## Color Contrast Check

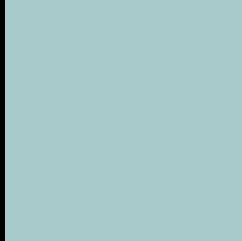
Large Text (above 18pt) WCAG AA × Fail

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 79, 12.210, 198.536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

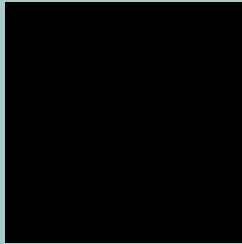
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

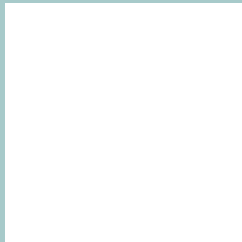
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 79, 12.210, 198.536

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 12.210, 198.536.

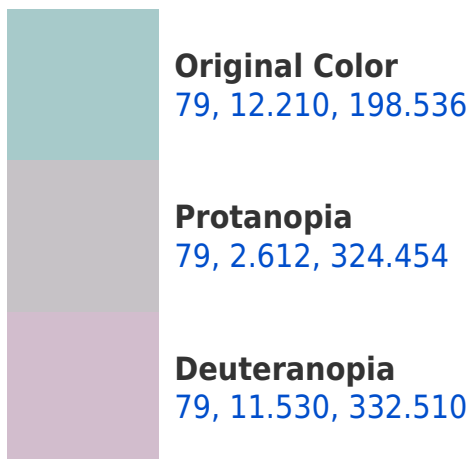


This preview shows how white text looks on a background with the CIELCh color 79, 12.210, 198.536.

# 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

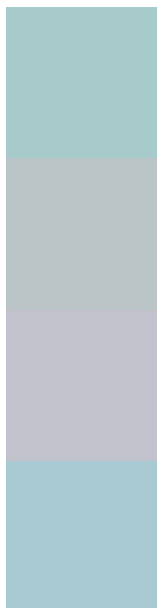






**Tritanopia**  
79, 13.084, 239.834

# Trichromacy



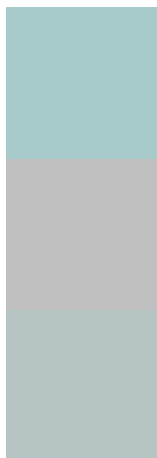
**Original Color**  
79, 12.210, 198.536

**Protanomaly**  
79, 3.913, 223.502

**Deuteranomaly**  
79, 5.352, 290.674

**Tritanomaly**  
79, 12.055, 225.136

# Monochromacy



**Original Color**  
79, 12.210, 198.536

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 4.694, 199.159

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 12.210, 198.536 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(167, 202, 202)` looks like.

```
.text, #text, p{  
    color:rgb(167, 202, 202)  
}
```

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(167, 202, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 202, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 12.210, 198.536 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(167, 202, 202) }
```

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

```
.border{ border-color:rgb(167, 202, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 202, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 202, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 202, 202);  
box-shadow:4px 4px 4px 4px rgb(167, 202,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 12.210, 198.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 202, 202) }
```

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

```
.background{ background-color: rgb(167,  
202, 202) }
```

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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