

# Converting Colors

CIELCh(79, 12.784, 209.618)

Have a look what the booklet for  
CIELCh(79, 12.784, 209.618)  
contains.

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# **Color**

**CIELCh(79, 12.606, 210.851)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A6CACF
RGB	166, 202, 207
RGB Percent	65%, 79%, 81%
CMY	0.3485, 0.2074, 0.1878
CMYK	0.20, 0.02, 0.00, 0.19
HSL	187°, 30%, 73%
HSV	187°, 20%, 81%
XYZ	48.1768, 54.9284, 67.1721
YIQ	191.8060, -23.0610, -6.0770

# Conversions

## Conversions Part 2

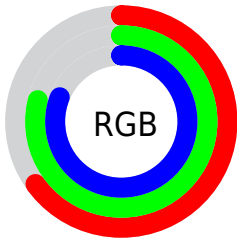
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 185, 207
Decimal	10930895
CIELab	79.00, -10.82, -6.46
CIElCh	79, 12.606, 210.851
Yxy	54.9284, 0.2829, 0.3226
Android (android.graphics.Color)	4289120975 (0xFFA6CACF)
YUV	191.8060, 7.4906, -22.6319
Hunter-Lab	74.1137, -13.6670, -1.8573

# Details

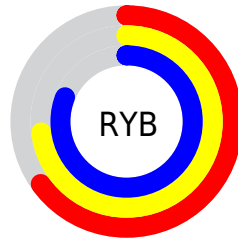
The CIELCh color **79, 12.606, 210.851** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 14.418, 31.278**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 11.153, 198.761**, and **59, 12.723, 211.269** is the 20% darker color. If you saturate the color by 10%, you get **77, 18.308, 210.980**, and if you desaturate by 10%, it is **81, 6.425, 210.863**.

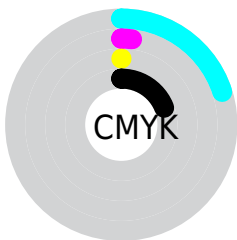
# Distribution



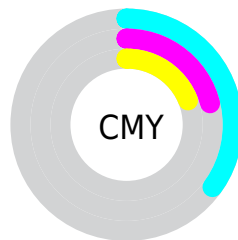
- Red (65%)
- Green (79%)
- Blue (81%)



- Red (65%)
- Yellow (73%)
- Blue (81%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)




- Cyan (35%)
- Magenta (21%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 12.606, 210.851 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, 12.606, 210.851 by changing the saturation by 10% instead.





 79, 12.606,  
210.851


 79, 12.606,  
210.851


 100, 12.606,  
210.851


 69, 12.606,  
210.851


 99, 12.606,  
210.851

 59, 12.606,  
210.851

 49, 12.606,  
210.851

 39, 12.606,  
210.851

 29, 12.606,  
210.851

 19, 12.606,  
210.851

 9, 12.606, 210.851

0, 12.606, 210.851

79, 12.606,  
210.851

79, 12.606,  
210.851

77, 18.308,  
210.980

81, 6.425, 210.863

75, 23.421,  
211.282

83, 0.137, 26.675

85, 6.986, 30.920

74, 27.840,  
211.784

88, 14.048, 31.172

72, 31.469,  
212.528

89, 15.690, 34.929

90, 15.184, 40.453

71, 34.243,  
213.562

90, 14.830, 46.296

70, 36.139,  
214.937

91, 14.640, 52.353

■ 69, 37.195,  
216.700

■ 91, 14.619, 58.491

■ 68, 37.602,  
218.833

■ 68, 37.609,  
218.877

# Harmonies

# Complementary

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



79, 12.606, 210.851



73, 14.418, 31.278

# Rectangle

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



79, 12.606, 210.851



79, 12.606, 260.851



79, 12.606, 30.851



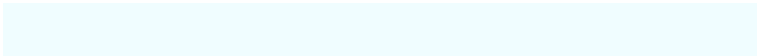
79, 12.606, 80.851

# Sweetspot

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



79, 12.606, 210.844



98, 4.703, 210.934



79, 24.645, 146.468



52, 3.114, 210.916



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, 12.606, 210.844



94, 17.820, 210.886



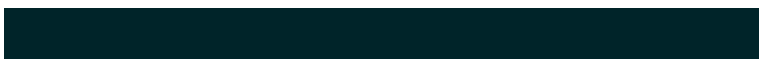
74, 14.583, 269.795



43, 3.754, 210.868



56, 32.257, 218.508



12, 12.526, 213.710



# Inverse Universe

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



73, 24.604, 329.102



85, 35.327, 329.375



78, 14.830, 84.363



41, 7.075, 328.470



39, 76.997, 333.723

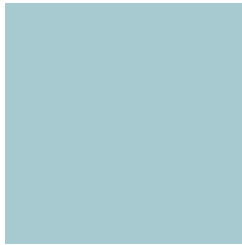


5, 28.332, 332.211



# Previews

## White Background



This preview shows how the CIE LCh color 79, 12.606, 210.851 looks on a white background.

## Color Contrast Check

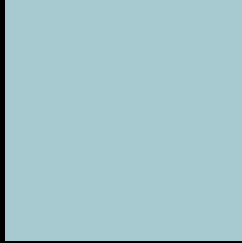
Large Text (above 18pt) WCAG AA × Fail

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, 12.606, 210.851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

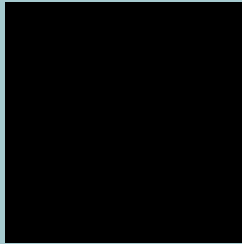
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

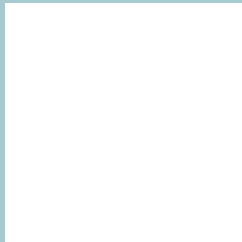
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 79, 12.606, 210.851**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 79, 12.606, 210.851.



This preview shows how white text looks on a background with the CIELCh color 79, 12.606, 210.851.

# 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

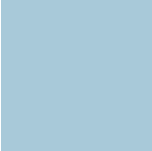


**Original Color**  
79, 12.606, 210.851

**Protanopia**  
79, 4.354, 300.149

**Deuteranopia**  
79, 12.386, 320.704





**Tritanopia**  
79, 13.815, 237.170

# Trichromacy



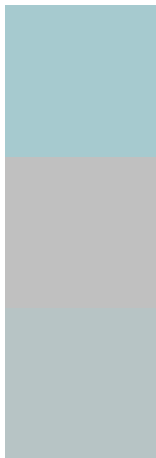
**Original Color**  
79, 12.606, 210.851

**Protanomaly**  
79, 5.619, 241.064

**Deuteranomaly**  
79, 8.043, 285.849

**Tritanomaly**  
79, 13.045, 228.272

# Monochromacy



**Original Color**  
79, 12.606, 210.851

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 4.705, 205.706

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 12.606, 210.851 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(166, 202, 207)` looks like.

```
.text, #text, p{  
    color:rgb(166, 202, 207)  
}
```

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(166, 202, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 202, 207) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 12.606, 210.851 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(166, 202, 207) }
```

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

```
.border{ border-color:rgb(166, 202, 207) }
```

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

Here you see how a box with a 4 pixel rgb(166, 202, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 202, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 202, 207);  
box-shadow:4px 4px 4px 4px rgb(166, 202,  
207) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 12.606, 210.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 202, 207) }
```

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

```
.background{ background-color: rgb(166,  
202, 207) }
```

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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