

# Converting Colors

CIELCh(79, 17.435, 200.600)

Have a look what the booklet for  
CIELCh(79, 17.435, 200.600)  
contains.

<b>CIELCh(79, 17.567, 199.903)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(79, 17.567, 199.903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CDCE
RGB	153, 205, 206
RGB Percent	60%, 80%, 81%
CMY	0.3998, 0.1958, 0.1919
CMYK	0.26, 0.00, 0.00, 0.19
HSL	181°, 35%, 70%
HSV	181°, 26%, 81%
XYZ	46.1413, 54.9284, 66.6008
YIQ	189.5660, -31.3130, -10.7130

# Conversions

## Conversions Part 2

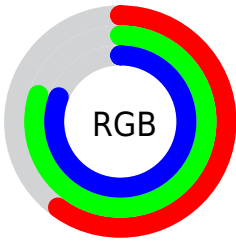
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 179, 206
Decimal	10079694
CIELab	79.00, -16.52, -5.98
CIELCh	79, 17.567, 199.903
Yxy	54.9284, 0.2752, 0.3276
Android (android.graphics.Color)	4288269774 (0xFF99CDCE)
YUV	189.5660, 8.1020, -32.0684
Hunter-Lab	74.1137, -18.5693, -1.4002

# Details

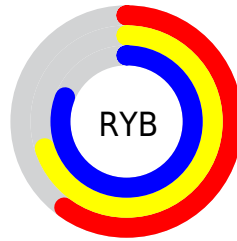
The CIELCh color **79, 17.567, 199.903** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68, 20.914, 22.829**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **59, 17.686, 199.665** is the 20% darker color. If you saturate the color by 10%, you get **78, 23.444, 199.550**, and if you desaturate by 10%, it is **80, 11.095, 200.320**.

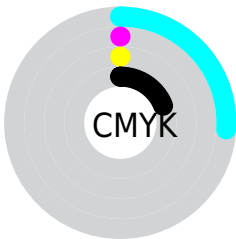
# Distribution



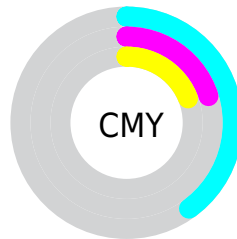
- Red (60%)
- Green (80%)
- Blue (81%)



- Red (60%)
- Yellow (70%)
- Blue (81%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)




- Cyan (40%)
- Magenta (20%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 17.567, 199.903 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, 17.567, 199.903 by changing the saturation by 10% instead.





 79, 17.567,  
199.903

 79, 17.567,  
199.903


 100, 17.567,  
199.903


 69, 17.567,  
199.903


 99, 17.567,  
199.903

 59, 17.567,  
199.903

 49, 17.567,  
199.903

 39, 17.567,  
199.903

 29, 17.567,  
199.903

 19, 17.567,  
199.903

 9, 17.567, 199.903

0, 17.567, 199.903

79, 17.567,  
199.903

79, 17.567,  
199.903

78, 23.444,  
199.550

80, 11.095,  
200.320

77, 28.609,  
199.279

82, 4.146, 200.860

76, 32.959,  
199.091

84, 3.170, 21.042

85, 10.751, 21.698

75, 36.416,  
198.994

87, 18.092, 22.276

75, 38.945,  
198.994

87, 17.956, 22.911

87, 17.822, 23.556

74, 40.563,  
199.091

87, 17.691, 24.210

■ 74, 41.355,  
199.284

■ 88, 17.562, 24.875

■ 74, 41.554,  
199.383

# Harmonies

# Complementary

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



79, 17.567, 199.903



68, 20.914, 22.829

# Rectangle

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



79, 17.567, 199.903



79, 17.567, 249.903



79, 17.567, 19.903



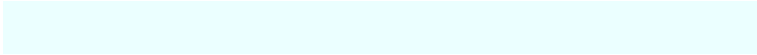
79, 17.567, 69.903

# Sweetspot

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



79, 17.568, 199.898



98, 6.853, 200.708



78, 34.197, 143.152



52, 4.851, 200.623



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, 17.568, 199.898



95, 24.632, 199.692



72, 16.958, 261.116



42, 4.041, 200.635



61, 35.359, 199.336



13, 13.233, 198.713



# Inverse Universe

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



70, 34.160, 326.351



82, 48.844, 326.657



75, 18.050, 73.963



40, 7.443, 325.440



39, 82.498, 328.987

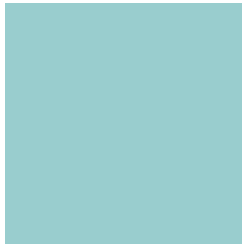


5, 28.610, 328.103



# Previews

## White Background



This preview shows how the CIELCh color 79, 17.567, 199.903 looks on a white background.

## Color Contrast Check

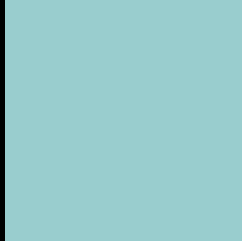
Large Text (above 18pt) WCAG AA × Fail

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, 17.567, 199.903 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

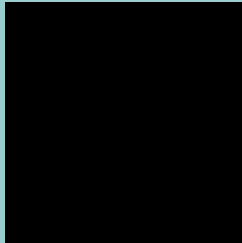
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

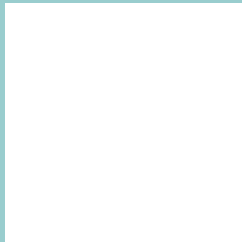
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 79, 17.567, 199.903

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 17.567, 199.903.

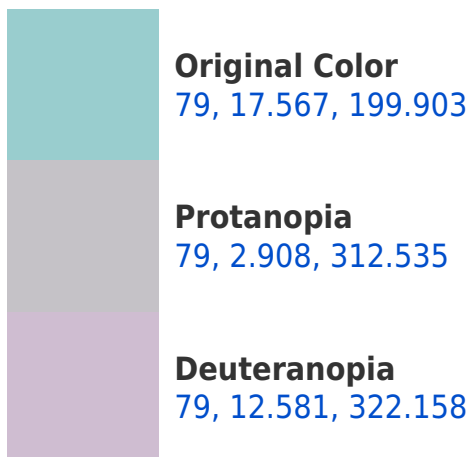


This preview shows how white text looks on a background with the CIELCh color 79, 17.567, 199.903.

# 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

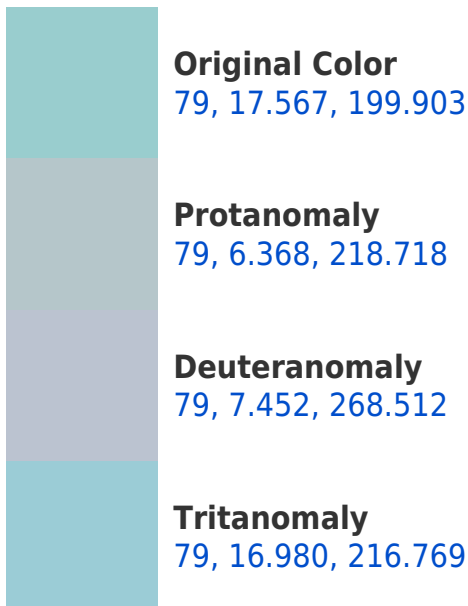






**Tritanopia**  
79, 17.403, 228.047

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 17.567, 199.903 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(153, 205, 206)` looks like.

```
.text, #text, p{  
    color:rgb(153, 205, 206)  
}
```

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(153, 205, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 205, 206) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 17.567, 199.903 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(153, 205, 206) }
```

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

```
.border{ border-color:rgb(153, 205, 206) }
```

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

Here you see how a box with a 4 pixel rgb(153, 205, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 205, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 205, 206);  
box-shadow:4px 4px 4px 4px rgb(153, 205,  
206) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 17.567, 199.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 205, 206) }
```

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

```
.background{ background-color: rgb(153,  
205, 206) }
```

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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