

# Converting Colors

CIELCh(78, 17.976, 203.650)

Have a look what the booklet for  
CIELCh(78, 17.976, 203.650)  
contains.

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# **Color**

**CIELCh(78, 17.837, 205.090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95CACE
RGB	149, 202, 206
RGB Percent	58%, 79%, 81%
CMY	0.4149, 0.2070, 0.1913
CMYK	0.28, 0.02, 0.00, 0.19
HSL	184°, 37%, 70%
HSV	184°, 28%, 81%
XYZ	44.7650, 53.2120, 66.4352
YIQ	186.6090, -32.8720, -9.9920

# Conversions

## Conversions Part 2

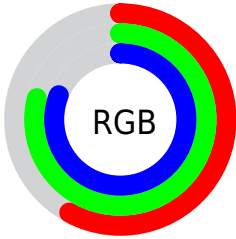
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 176, 206
Decimal	9816782
CIELab	78.00, -16.15, -7.56
CIELCh	78, 17.837, 205.090
Yxy	53.2120, 0.2723, 0.3236
Android (android.graphics.Color)	4288006862 (0xFF95CACE)
YUV	186.6090, 9.5598, -32.9831
Hunter-Lab	72.9466, -18.1165, -2.9350

# Details

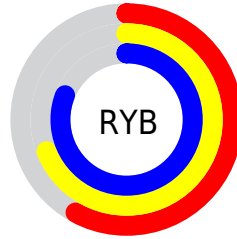
The CIELCh color **78, 17.837, 205.090** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68, 21.635, 27.120**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 16.872, 198.386**, and **58, 17.892, 205.176** is the 20% darker color. If you saturate the color by 10%, you get **77, 23.297, 205.028**, and if you desaturate by 10%, it is **80, 11.784, 205.256**.

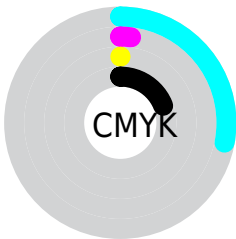
# Distribution



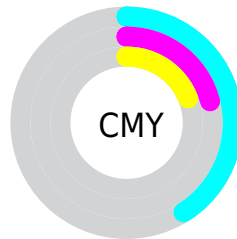
- Red (58%)
- Green (79%)
- Blue (81%)



- Red (58%)
- Yellow (69%)
- Blue (81%)



- Cyan (28%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)




- Cyan (41%)
- Magenta (21%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 17.837, 205.090 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, 17.837, 205.090 by changing the saturation by 10% instead.





 78, 17.837,  
205.090


 78, 17.837,  
205.090


 100, 17.837,  
205.090


 68, 17.837,  
205.090


 98, 17.837,  
205.090

 58, 17.837,  
205.090

 48, 17.837,  
205.090

 38, 17.837,  
205.090

 28, 17.837,  
205.090

 18, 17.837,  
205.090

 8, 17.837, 205.090

0, 17.837, 205.090

78, 17.837,  
205.090

78, 17.837,  
205.090

77, 23.297,  
205.028

80, 11.784,  
205.256

75, 28.051,  
205.101

81, 5.252, 205.554

74, 31.999,  
205.326

83, 1.655, 25.407

85, 8.842, 26.043

73, 35.068,  
205.726

88, 16.227, 26.467

72, 37.223,  
206.329

88, 16.823, 28.829

88, 16.421, 31.610

72, 38.488,  
207.154

89, 16.061, 34.524

■ 71, 38.978,  
208.209

■ 89, 15.745, 37.562

■ 71, 39.047,  
208.472

# Harmonies

# Complementary

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



78, 17.837, 205.090



68, 21.635, 27.120

# Rectangle

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



78, 17.837, 205.090



78, 17.837, 255.090



78, 17.837, 25.090



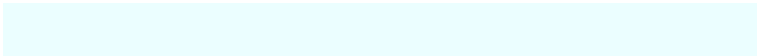
78, 17.837, 75.090

# Sweetspot

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



78, 17.837, 205.085



98, 6.522, 205.536



78, 35.528, 144.357



52, 4.617, 205.479



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, 17.837, 205.085



93, 24.720, 205.038



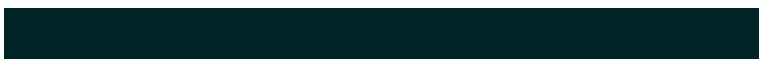
70, 19.221, 266.592



42, 3.845, 205.487



58, 33.232, 208.268



12, 12.567, 205.620



# Inverse Universe

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



69, 35.468, 327.950



80, 50.166, 328.276



75, 20.107, 78.690



40, 7.186, 326.892



39, 79.265, 331.209

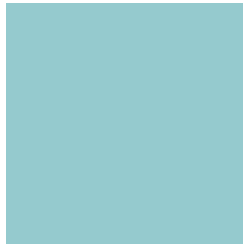


5, 27.447, 329.886



# Previews

## White Background



This preview shows how the CIELCh color 78, 17.837, 205.090 looks on a white background.

## Color Contrast Check

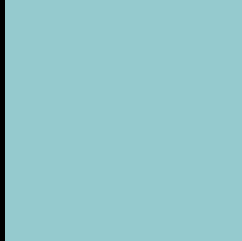
Large Text (above 18pt) WCAG AA × Fail

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, 17.837, 205.090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

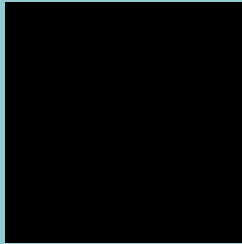
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

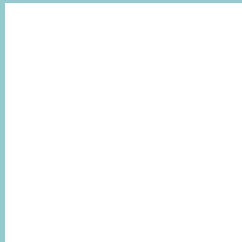
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 78, 17.837, 205.090**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 78, 17.837, 205.090.

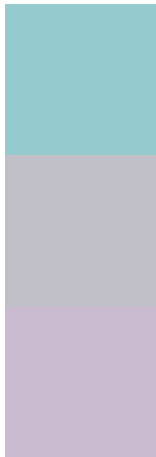


This preview shows how white text looks on a background with the CIELCh color 78, 17.837, 205.090.

# 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, 17.837, 205.090

**Protanopia**  
78, 4.895, 299.139

**Deuteranopia**  
78, 13.193, 317.020





**Tritanopia**  
78, 17.940, 227.100

# Trichromacy



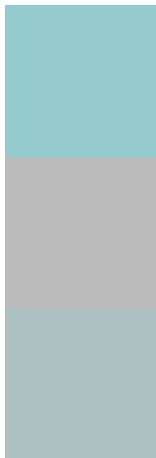
**Original Color**  
78, 17.837, 205.090

**Protanomaly**  
78, 7.312, 230.006

**Deuteranomaly**  
78, 8.703, 267.088

**Tritanomaly**  
78, 17.533, 219.956

# Monochromacy



**Original Color**  
78, 17.837, 205.090

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
77, 7.169, 203.240

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 17.837, 205.090 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(149, 202, 206)` looks like.

```
.text, #text, p{  
    color:rgb(149, 202, 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(149, 202, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 202, 206) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 17.837, 205.090 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(149, 202, 206) }
```

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

```
.border{ border-color:rgb(149, 202, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 202, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 202, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 202, 206);  
box-shadow:4px 4px 4px 4px rgb(149, 202,  
206) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 17.837, 205.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 202, 206) }
```

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

```
.background{ background-color: rgb(149,  
202, 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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