

# Converting Colors

CIELCh(83, 21.303, 187.462)

Have a look what the booklet for  
CIELCh(83, 21.303, 187.462)  
contains.

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# **Color**

**CIELCh(83, 21.278, 187.837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CDAD3
RGB	156, 218, 211
RGB Percent	61%, 85%, 83%
CMY	0.3868, 0.1436, 0.1711
CMYK	0.28, 0.00, 0.03, 0.14
HSL	173°, 46%, 73%
HSV	173°, 28%, 86%
XYZ	50.7535, 62.1629, 71.1954
YIQ	198.6640, -34.7050, -15.3210

# Conversions

## Conversions Part 2

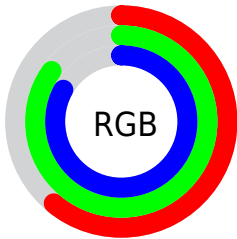
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 189, 218
Decimal	10279635
CIELab	83.00, -21.08, -2.90
CIELCh	83, 21.278, 187.837
Yxy	62.1629, 0.2757, 0.3376
Android (android.graphics.Color)	4288469715 (0xFF9CDAD3)
YUV	198.6640, 6.0816, -37.4163
Hunter-Lab	78.8435, -23.0711, 1.6518

# Details

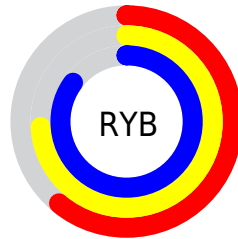
The CIELCh color **83, 21.278, 187.837** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 24.741, 13.020**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **63, 21.357, 188.437** is the 20% darker color. If you saturate the color by 10%, you get **82, 27.826, 186.982**, and if you desaturate by 10%, it is **84, 14.158, 188.669**.

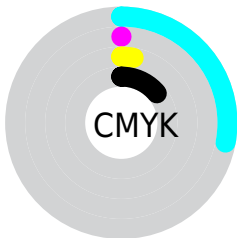
# Distribution



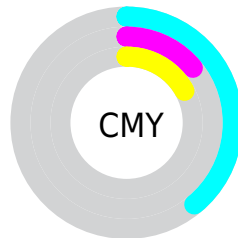
- Red (61%)
- Green (85%)
- Blue (83%)



- Red (61%)
- Yellow (74%)
- Blue (85%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)




- Cyan (39%)
- Magenta (14%)
- Yellow (17%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 21.278, 187.837 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 83, 21.278, 187.837 by changing the saturation by 10% instead.





 83, 21.278,  
187.837


 83, 21.278,  
187.837


 100, 21.278,  
187.837


 73, 21.278,  
187.837

 63, 21.278,  
187.837

 53, 21.278,  
187.837

 43, 21.278,  
187.837

 33, 21.278,  
187.837

 23, 21.278,  
187.837

 13, 21.278,

187.837

■ 3, 21.278, 187.837

■ 0, 21.278, 187.837

■ 83, 21.278,  
187.837

■ 83, 21.278,  
187.837

■ 82, 27.826,  
186.982

■ 84, 14.158,  
188.669

■ 81, 33.668,  
186.100

■ 86, 6.596, 189.518

■ 80, 38.686,  
185.174

■ 87, 1.283, 9.777

■ 89, 9.372, 10.936

■ 80, 42.790,  
184.188

■ 90, 13.687, 8.800

■ 79, 45.939,

■ 90, 13.950, 3.651

183.122

90, 14.324,  
358.735

79, 48.153,  
181.956

90, 14.802,  
354.110

79, 49.568,  
180.687

91, 15.374,  
349.808

79, 49.767,  
180.482

# Harmonies

# Complementary

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



83, 21.278, 187.837



71, 24.741, 13.020

# Rectangle

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



83, 21.278, 187.837



83, 21.278, 237.837



83, 21.278, 7.837



83, 21.278, 57.837

# Sweetspot

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



83, 21.279, 187.834



98, 8.008, 189.458



82, 38.538, 139.587



52, 5.550, 189.329



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



83, 21.279, 187.834



95, 28.352, 187.334



77, 17.596, 245.600



45, 4.467, 189.426



64, 41.814, 180.701



16, 16.430, 183.160



# Inverse Universe

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



71, 24.741, 13.020



78, 34.141, 13.885



76, 20.156, 59.161



43, 4.682, 10.833



36, 73.493, 34.930

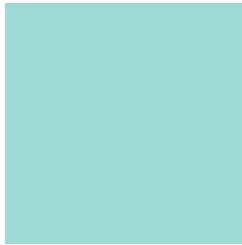


5, 23.725, 15.389



# Previews

## White Background



This preview shows how the CIELCh color 83, 21.278, 187.837 looks on a white background.

## Color Contrast Check

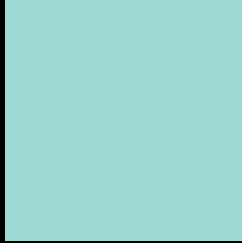
Large Text (above 18pt) WCAG AA × Fail

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 83, 21.278, 187.837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

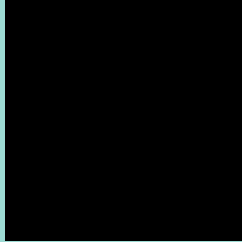
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

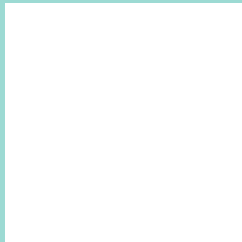
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 83, 21.278, 187.837**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 83, 21.278, 187.837.

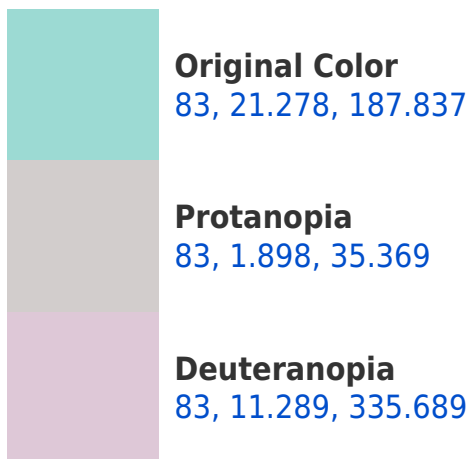


This preview shows how white text looks on a background with the CIELCh color 83, 21.278, 187.837.

# 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

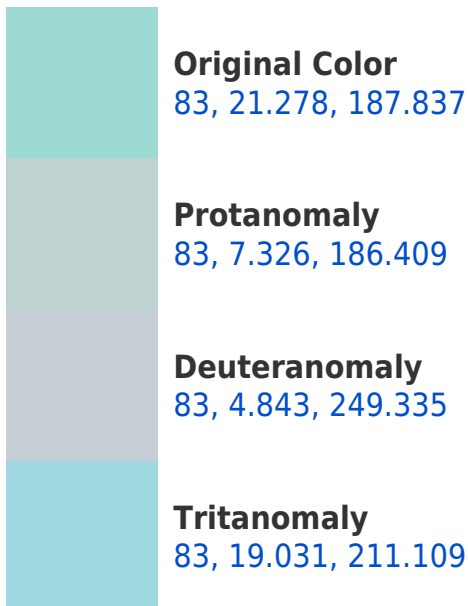




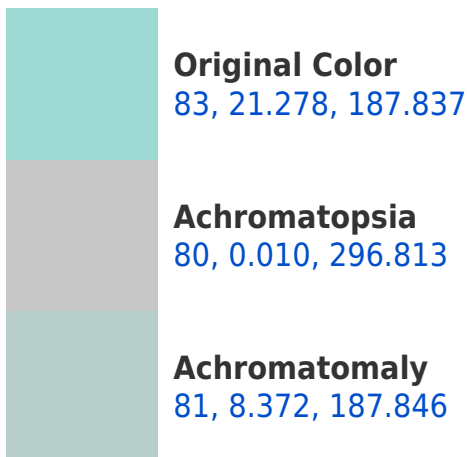


**Tritanopia**  
83, 19.327, 226.259

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 21.278, 187.837 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(156, 218, 211)` looks like.

```
.text, #text, p{  
    color:rgb(156, 218, 211)  
}
```

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(156, 218, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 218, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 21.278, 187.837 is called "border". The border property can be set on classes, ids or directly on the HTML element.

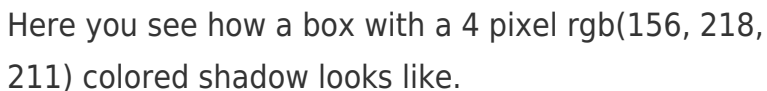
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 218, 211) }
```

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

```
.border{ border-color:rgb(156, 218, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 218, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 218, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 218, 211); box-shadow:4px 4px 4px 4px rgb(156, 218, 211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 21.278, 187.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 218, 211) }
```

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

```
.background{ background-color: rgb(156,  
218, 211) }
```

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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