

# Converting Colors

CIELCh(84, 17.732, 169.443)

Have a look what the booklet for  
CIELCh(84, 17.732, 169.443)  
contains.

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# Color

**CIELCh(84, 17.787, 169.823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFDDBC
RGB	175, 219, 203
RGB Percent	69%, 86%, 80%
CMY	0.3138, 0.1413, 0.2040
CMYK	0.20, 0.00, 0.07, 0.14
HSL	158°, 38%, 77%
HSV	158°, 20%, 86%
XYZ	53.7701, 64.0658, 66.0112
YIQ	204.0200, -21.0880, -14.3040

# Conversions

## Conversions Part 2

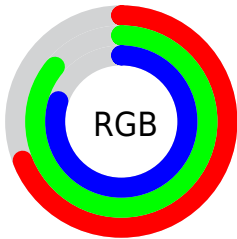
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 202, 219
Decimal	11525067
CIELab	84.00, -17.51, 3.14
CIElCh	84, 17.787, 169.823
Yxy	64.0658, 0.2925, 0.3485
Android (android.graphics.Color)	4289715147 (0xFFAFDBC B)
YUV	204.0200, -0.5029, -25.4505
Hunter-Lab	80.0411, -20.1589, 7.1313

# Details

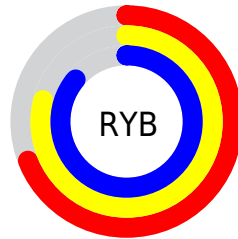
The CIELCh color  $84, 17.787, 169.823$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $76, 18.622, 353.681$ , and the grayscale version is  $82, 0.010, 296.813$ .

A 20% lighter version of the original color is  $98, 8.189, 198.968$ , and  $64, 17.742, 169.705$  is the 20% darker color. If you saturate the color by 10%, you get  $83, 26.334, 168.731$ , and if you desaturate by 10%, it is  $86, 8.995, 170.835$ .

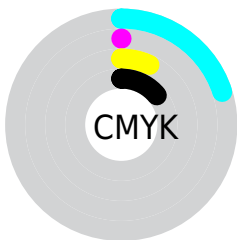
# Distribution



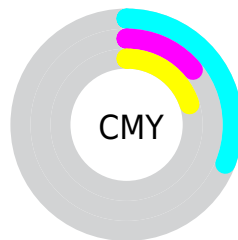
- Red (69%)
- Green (86%)
- Blue (80%)



- Red (69%)
- Yellow (79%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)




- Cyan (31%)
- Magenta (14%)
- Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 17.787, 169.823 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 84, 17.787, 169.823 by changing the saturation by 10% instead.




 84, 17.787,  
169.823

 84, 17.787,  
169.823


 100, 17.787,  
169.823


 74, 17.787,  
169.823


 64, 17.787,  
169.823

 54, 17.787,  
169.823

 44, 17.787,  
169.823

 34, 17.787,  
169.823

 24, 17.787,  
169.823

 14, 17.787,

169.823

■ 4, 17.787, 169.823

■ 0, 17.787, 169.823

■ 84, 17.787,  
169.823

■ 84, 17.787,  
169.823

■ 83, 26.334,  
168.731

■ 86, 8.995, 170.835

■ 81, 34.490,  
167.534

■ 87, 0.079, 177.865

■ 89, 8.859, 352.485

■ 80, 42.106,  
166.205

■ 91, 15.350,  
348.278

■ 79, 49.037,  
164.719

■ 91, 17.805,  
336.913

■ 79, 55.163,

163.049

91, 20.807,  
328.645

78, 60.416,  
161.176

91, 22.559,  
325.210

78, 64.796,  
159.092

78, 68.443,  
156.883

# Harmonies

# Complementary

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



84, 17.787, 169.823



76, 18.622, 353.681

# Rectangle

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



84, 17.787, 169.823



84, 17.787, 219.823



84, 17.787, 349.823



84, 17.787, 39.823

# Sweetspot

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



84, 17.789, 169.820



99, 6.057, 171.248



84, 25.327, 132.699



53, 4.017, 171.178



0, 0.000, 0.000



53, 0.007, 296.813



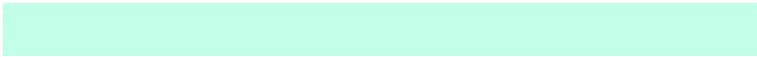


# Same Dimension

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



84, 17.789, 169.820



96, 23.941, 169.384



83, 13.256, 212.162



45, 5.066, 170.901



63, 57.111, 157.274



16, 21.239, 161.880



# Inverse Universe

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



76, 18.622, 353.681



84, 25.307, 354.167



77, 15.199, 32.392



43, 5.178, 352.524



37, 64.005, 14.892

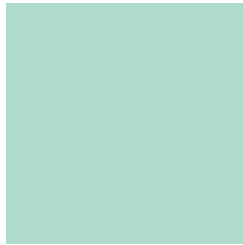


6, 24.115, 3.408



# Previews

## White Background



This preview shows how the CIELCh color 84, 17.787, 169.823 looks on a white background.

## Color Contrast Check

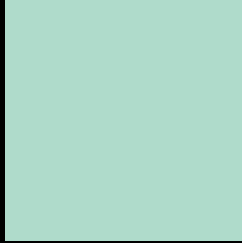
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 84, 17.787, 169.823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

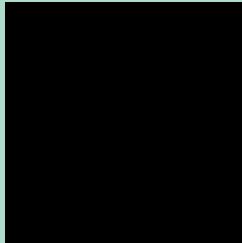
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

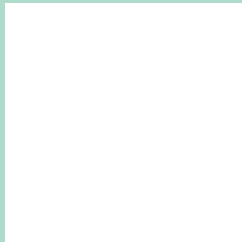
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 84, 17.787, 169.823

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 17.787, 169.823.

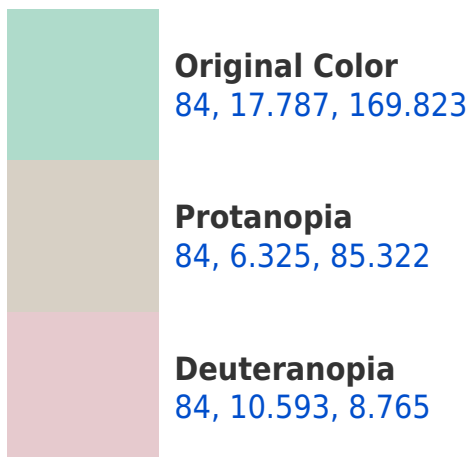


This preview shows how white text looks on a background with the CIELCh color 84, 17.787, 169.823.

# 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**  
84, 14.481, 237.212

# Trichromacy



**Original Color**  
84, 17.787, 169.823

**Protanomaly**  
84, 8.167, 142.072

**Deuteranomaly**  
84, 1.725, 84.949

**Tritanomaly**  
84, 13.130, 210.208

# Monochromacy



**Original Color**  
84, 17.787, 169.823

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
83, 6.369, 174.476

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 17.787, 169.823 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(175, 219, 203)` looks like.

```
.text, #text, p{  
    color:rgb(175, 219, 203)  
}
```

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(175, 219, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 219, 203) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 17.787, 169.823 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(175, 219, 203) }
```

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

```
.border{ border-color:rgb(175, 219, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 219, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 219, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 219, 203);  
box-shadow:4px 4px 4px 4px rgb(175, 219,  
203) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 17.787, 169.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 219, 203) }
```

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

```
.background{ background-color: rgb(175,  
219, 203) }
```

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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