

# Converting Colors

CIELCh(84, 18.965, 171.607)

Have a look what the booklet for  
CIELCh(84, 18.965, 171.607)  
contains.

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# Color

**CIELCh(84, 18.951, 171.617)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACDCCC
RGB	172, 220, 204
RGB Percent	67%, 86%, 80%
CMY	0.3269, 0.1387, 0.2014
CMYK	0.22, 0.00, 0.07, 0.14
HSL	160°, 40%, 77%
HSV	160°, 22%, 86%
XYZ	53.2873, 64.0658, 66.4567
YIQ	203.8240, -23.4720, -15.1520

# Conversions

## Conversions Part 2

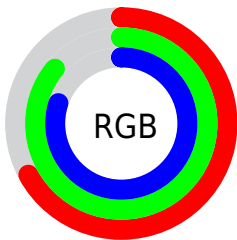
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 201, 220
Decimal	11328716
CIELab	84.00, -18.75, 2.76
CIELCh	84, 18.951, 171.617
Yxy	64.0658, 0.2899, 0.3485
Android (android.graphics.Color)	4289518796 (0xFFACDCCC)
YUV	203.8240, 0.0868, -27.9096
Hunter-Lab	80.0411, -21.2356, 6.8013

# Details

The CIELCh color **84, 18.951, 171.617** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 20.048, 355.914**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.184, 198.897**, and **64, 18.927, 171.504** is the 20% darker color. If you saturate the color by 10%, you get **83, 27.239, 170.510**, and if you desaturate by 10%, it is **86, 10.371, 172.642**.

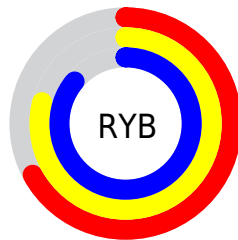
# Distribution



Red (67%)

Green (86%)

Blue (80%)



Red (67%)

Yellow (79%)

Blue (86%)

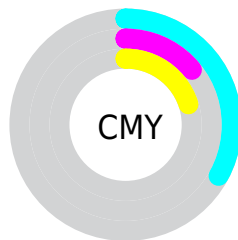


Cyan (22%)

Magenta (0%)

Yellow (7%)

Black (14%)



Cyan (33%)

Magenta (14%)

Yellow (20%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 18.951, 171.617 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, 18.951, 171.617 by changing the saturation by 10% instead.




 84, 18.951,  
171.617


 84, 18.951,  
171.617


 100, 18.951,  
171.617


 74, 18.951,  
171.617

 64, 18.951,  
171.617

 54, 18.951,  
171.617

 44, 18.951,  
171.617

 34, 18.951,  
171.617

 24, 18.951,  
171.617

 14, 18.951,

171.617

■ 4, 18.951, 171.617

■ 0, 18.951, 171.617

■ 84, 18.951,  
171.617

■ 84, 18.951,  
171.617

■ 83, 27.239,  
170.510

■ 86, 10.371,  
172.642

■ 81, 35.086,  
169.300

■ 87, 1.622, 173.834

■ 80, 42.348,  
167.960

■ 89, 7.186, 354.325

■ 80, 48.884,  
166.465

■ 91, 14.502,  
352.223

■ 79, 54.588,

■ 91, 16.544,  
340.519

164.789

91, 19.140,  
331.755

78, 59.405,  
162.912

91, 22.092,  
325.281

78, 63.357,  
160.829

91, 22.140,  
325.195

78, 66.091,  
159.034

# Harmonies

# Complementary

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



84, 18.951, 171.617



75, 20.048, 355.914

# Rectangle

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



84, 18.951, 171.617



84, 18.951, 221.617



84, 18.951, 351.617



84, 18.951, 41.617

# Sweetspot

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



84, 18.952, 171.614



99, 6.932, 173.129



84, 27.874, 133.685



52, 4.503, 173.066



0, 0.000, 0.000



53, 0.007, 296.813



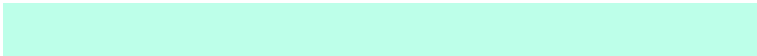


# Same Dimension

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



84, 18.952, 171.614



95, 25.316, 171.143



82, 14.043, 216.182



45, 4.969, 172.886



63, 55.042, 159.423



16, 20.576, 163.929



# Inverse Universe

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



75, 20.048, 355.914



83, 27.097, 356.459



76, 16.293, 35.734



43, 5.091, 354.524



36, 64.651, 17.758

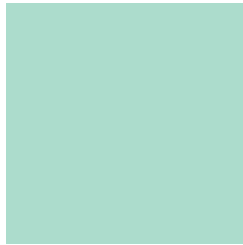


6, 23.998, 5.147



# Previews

## White Background



This preview shows how the CIELCh color 84, 18.951, 171.617 looks on a white background.

## Color Contrast Check

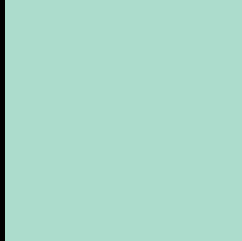
Large Text (above 18pt) WCAG AA × Fail

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, 18.951, 171.617 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

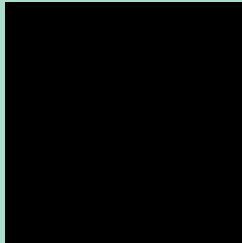
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

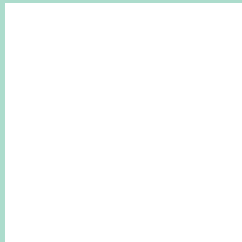
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 84, 18.951, 171.617

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 18.951, 171.617.

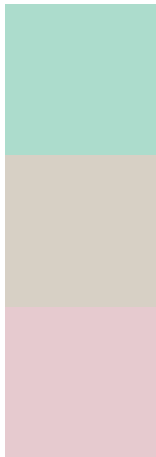


This preview shows how white text looks on a background with the CIELCh color 84, 18.951, 171.617.

# 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

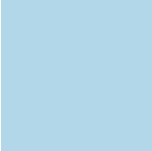


**Original Color**  
84, 18.951, 171.617

**Protanopia**  
84, 6.325, 85.322

**Deuteranopia**  
84, 10.693, 6.001





**Tritanopia**  
84, 15.505, 236.684

# Trichromacy



**Original Color**  
84, 18.951, 171.617

**Protanomaly**  
84, 8.374, 144.123

**Deuteranomaly**  
84, 1.102, 90.724

**Tritanomaly**  
84, 14.373, 209.101

# Monochromacy



**Original Color**  
84, 18.951, 171.617

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 6.936, 171.728

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 18.951, 171.617 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(172, 220, 204)` looks like.

```
.text, #text, p{  
    color:rgb(172, 220, 204)  
}
```

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(172, 220, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 220, 204) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 18.951, 171.617 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(172, 220, 204) }
```

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

```
.border{ border-color:rgb(172, 220, 204) }
```

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

Here you see how a box with a 4 pixel rgb(172, 220, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 220, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 220, 204);  
box-shadow:4px 4px 4px 4px rgb(172, 220,  
204) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 18.951, 171.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 220, 204) }
```

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

```
.background{ background-color: rgb(172,  
220, 204) }
```

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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