

# Converting Colors

CIELCh(87, 16.917, 170.463)

Have a look what the booklet for  
CIELCh(87, 16.917, 170.463)  
contains.

<b>CIELCh(87, 16.812, 170.401)</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(87, 16.812, 170.401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9E3D4
RGB	185, 227, 212
RGB Percent	73%, 89%, 83%
CMY	0.2745, 0.1098, 0.1686
CMYK	0.19, 0.00, 0.07, 0.11
HSL	159°, 43%, 81%
HSV	159°, 19%, 89%
XYZ	59.3606, 70.0064, 72.6718
YIQ	212.7320, -20.2170, -13.5690

# Conversions

## Conversions Part 2

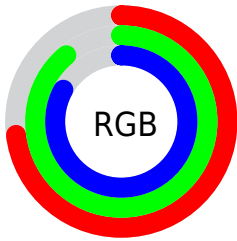
Format	Color
<b>RYB</b>	185, 211, 227
Decimal	12182484
CIELab	87.00, -16.58, 2.80
CIELCh	87, 16.812, 170.401
Yxy	70.0064, 0.2938, 0.3465
Android (android.graphics.Color)	4290372564 (0xFFB9E3D4)
YUV	212.7320, -0.3609, -24.3210
Hunter-Lab	83.6698, -19.7832, 7.0723

# Details

The CIELCh color  $87, 16.812, 170.401$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $79, 17.557, 353.930$ , and the grayscale version is  $85, 0.010, 296.813$ .

A 20% lighter version of the original color is  $99, 4.823, 199.237$ , and  $67, 17.308, 169.326$  is the 20% darker color. If you saturate the color by 10%, you get  $86, 25.613, 169.320$ , and if you desaturate by 10%, it is  $89, 7.774, 171.411$ .

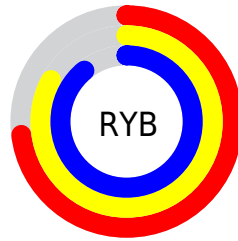
# Distribution



Red (73%)

Green (89%)

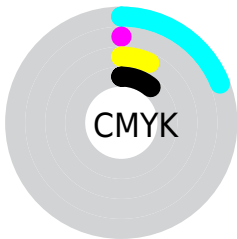
Blue (83%)



Red (73%)

Yellow (83%)

Blue (89%)

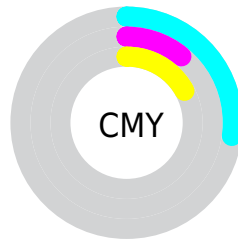


Cyan (19%)

Magenta (0%)

Yellow (7%)

Black (11%)



Cyan (27%)

Magenta (11%)


Yellow (17%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 16.812, 170.401 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 87, 16.812, 170.401 by changing the saturation by 10% instead.





 87, 16.812,  
170.401


 87, 16.812,  
170.401


 100, 16.812,  
170.401


 77, 16.812,  
170.401

 67, 16.812,  
170.401

 57, 16.812,  
170.401

 47, 16.812,  
170.401

 37, 16.812,  
170.401


 27, 16.812,  
170.401


 17, 16.812,


170.401

 7, 16.812, 170.401


 0, 16.812, 170.401

 87, 16.812,  
170.401


 87, 16.812,  
170.401


 86, 25.613,  
169.320


 89, 7.774, 171.411


 84, 34.030,  
168.140

 91, 1.379, 351.886


 83, 41.908,  
166.832

 93, 10.543,  
353.046

 82, 49.097,  
165.370

 93, 13.432,  
338.384

 81, 55.470,

 93, 16.483,  
327.519

163.730

93, 17.502,  
325.031

81, 60.945,  
161.889

80, 65.515,  
159.837

80, 69.296,  
157.607

80, 69.836,  
157.278

# Harmonies

# Complementary

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



87, 16.812, 170.401



79, 17.557, 353.930

# Rectangle

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



87, 16.812, 170.401



87, 16.812, 220.401



87, 16.812, 350.401



87, 16.812, 40.401

# Sweetspot

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



87, 16.814, 170.398



99, 6.032, 171.667



87, 24.010, 132.775



53, 4.001, 171.597



0, 0.000, 0.000



53, 0.007, 296.813



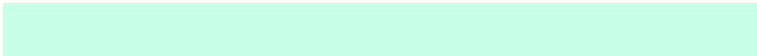


# Same Dimension

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



87, 16.814, 170.398



96, 21.892, 170.016



86, 12.631, 212.144



47, 5.237, 171.314



64, 57.950, 157.668



18, 22.722, 161.744



# Inverse Universe

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



79, 17.557, 353.930



86, 23.061, 354.354



80, 14.318, 32.340



45, 5.356, 352.951



38, 65.547, 15.640

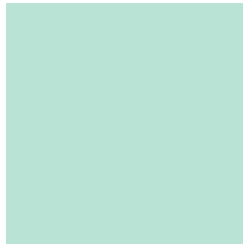


7, 26.759, 5.104



# Previews

## White Background



This preview shows how the CIELCh color 87, 16.812, 170.401 looks on a white background.

## Color Contrast Check

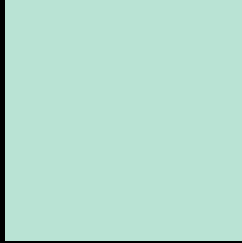
Large Text (above 18pt) WCAG AA × Fail

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 87, 16.812, 170.401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

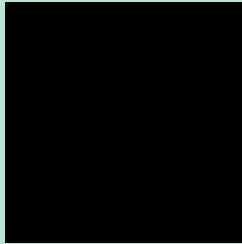
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

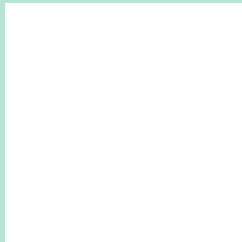
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 87, 16.812, 170.401

## Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.812, 170.401.

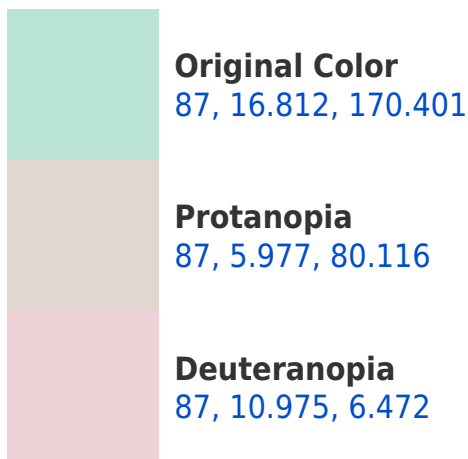


This preview shows how white text looks on a background with the CIELCh color 87, 16.812, 170.401.

# 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

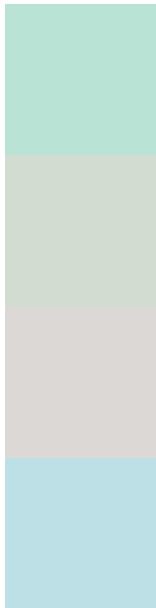






**Tritanopia**  
87, 14.231, 240.508

# Trichromacy



**Original Color**  
87, 16.812, 170.401

**Protanomaly**  
87, 7.275, 139.577

**Deuteranomaly**  
87, 1.494, 63.347

**Tritanomaly**  
87, 12.521, 213.245

# Monochromacy



**Original Color**  
87, 16.812, 170.401

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
86, 6.001, 173.148

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 16.812, 170.401 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(185, 227, 212)` looks like.

```
.text, #text, p{  
    color:rgb(185, 227, 212)  
}
```

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(185, 227, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 227, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 16.812, 170.401 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(185, 227, 212) }
```

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

```
.border{ border-color:rgb(185, 227, 212) }
```

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

Here you see how a box with a 4 pixel rgb(185, 227, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 227, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 227, 212);  
box-shadow:4px 4px 4px 4px rgb(185, 227,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 16.812, 170.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 227, 212) }
```

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

```
.background{ background-color: rgb(185,  
227, 212) }
```

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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