

Converting Colors

CIELCh(87, 17.173, 196.504)

Have a look what the booklet for
CIELCh(87, 17.173, 196.504)
contains.

CIELCh(87, 17.173, 196.504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 17.173, 196.504)

Conversions

Conversions Part 1

Format	Color
Hex	B0E3E2
RGB	176, 227, 226
RGB Percent	69%, 89%, 89%
CMY	0.3079, 0.1079, 0.1118
CMYK	0.22, 0.00, 0.00, 0.11
HSL	179°, 48%, 79%
HSV	179°, 22%, 89%
XYZ	59.4069, 70.0064, 82.6813
YIQ	211.6370, -30.0750, -11.1230

Conversions

Conversions Part 2

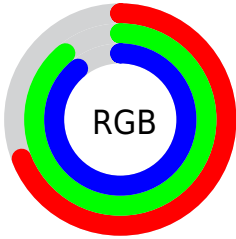
Format	Color
RYB	176, 202, 227
Decimal	11592674
CIELab	87.00, -16.47, -4.88
CIELCh	87, 17.173, 196.504
Yxy	70.0064, 0.2801, 0.3301
Android (android.graphics.Color)	4289782754 (0xFFB0E3E2)
YUV	211.6370, 7.0810, -31.2536
Hunter-Lab	83.6698, -19.6844, -0.0206

Details

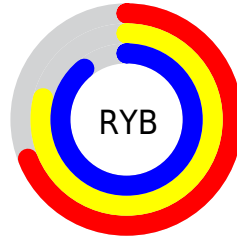
The CIELCh color **87, 17.173, 196.504** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **77, 19.833, 19.546**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.521, 199.018**, and **67, 17.362, 196.136** is the 20% darker color. If you saturate the color by 10%, you get **86, 23.949, 195.962**, and if you desaturate by 10%, it is **88, 9.799, 197.088**.

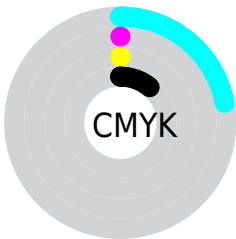
Distribution



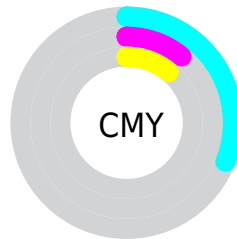
- Red (69%)
- Green (89%)
- Blue (89%)



- Red (69%)
- Yellow (79%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 17.173, 196.504 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, 17.173, 196.504 by changing the saturation by 10% instead.

 87, 17.173,
196.504


 87, 17.173,
196.504

 100, 17.173,
196.504

 77, 17.173,
196.504

 67, 17.173,
196.504

 57, 17.173,
196.504

 47, 17.173,
196.504

 37, 17.173,
196.504

 27, 17.173,
196.504

 17, 17.173,

196.504

■ 7, 17.173, 196.504

■ 0, 17.173, 196.504

■ 87, 17.173,
196.504

■ 87, 17.173,
196.504

■ 86, 23.949,
195.962

■ 88, 9.799, 197.088

■ 85, 29.992,
195.468

■ 90, 1.957, 197.928

■ 92, 6.232, 18.138

■ 84, 35.182,
195.019

■ 93, 10.017, 17.740

■ 83, 39.420,
194.612

■ 93, 10.022, 16.428

■ 93, 10.033, 15.118

■ 83, 42.652,

194.244

93, 10.049, 13.811

82, 44.877,
193.909

93, 10.070, 12.510

82, 46.164,
193.597

93, 10.097, 11.215

82, 46.673,
193.370

Harmonies

Complementary

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



87, 17.173, 196.504



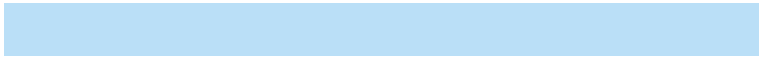
77, 19.833, 19.546

Rectangle

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



87, 17.173, 196.504



87, 17.173, 246.504



87, 17.173, 16.504



87, 17.173, 66.504

Sweetspot

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



87, 17.174, 196.499



99, 6.136, 197.449



86, 32.325, 142.148



53, 3.982, 197.405



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, 17.174, 196.499



96, 22.316, 196.238



81, 15.344, 254.944



47, 4.545, 197.280



66, 38.921, 193.416



18, 16.293, 193.868

Inverse Universe

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



77, 19.833, 19.546



82, 26.657, 20.079



82, 16.505, 69.049



45, 4.815, 18.341



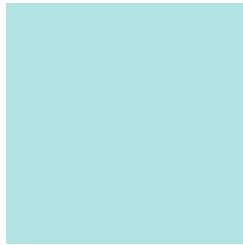
37, 79.106, 39.162



6, 27.038, 20.949

Previews

White Background



This preview shows how the CIELCh color 87, 17.173, 196.504 looks on a white background.

Color Contrast Check

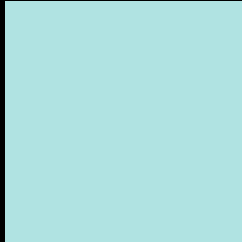
Large Text (above 18pt) WCAG AA × Fail

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 87, 17.173, 196.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

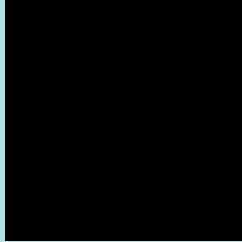
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

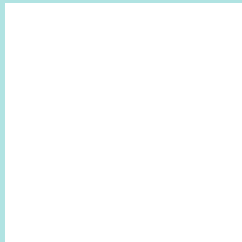
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 17.173, 196.504

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.173, 196.504.

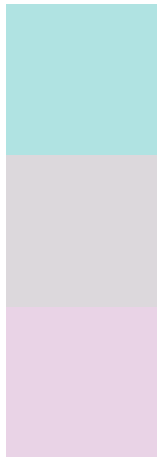


This preview shows how white text looks on a background with the CIELCh color 87, 17.173, 196.504.

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

87, 17.173, 196.504

Protanopia

87, 2.562, 324.434

Deuteranopia

87, 12.726, 328.938

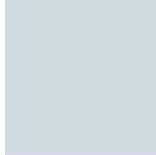


Tritanopia
87, 17.163, 232.083

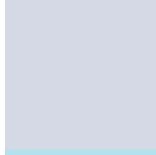
Trichromacy



Original Color
87, 17.173, 196.504



Protanomaly
87, 5.699, 209.733



Deuteranomaly
87, 6.498, 275.107

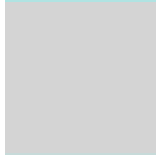


Tritanomaly
87, 16.364, 219.181

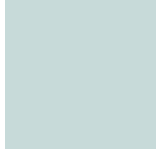
Monochromacy



Original Color
87, 17.173, 196.504



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 6.734, 194.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.173, 196.504 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(176, 227, 226)` looks like.

```
.text, #text, p{  
    color:rgb(176, 227, 226)  
}
```

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(176, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 227, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.173, 196.504 is called "border". The border property can be set on classes, ids or directly on the HTML element.

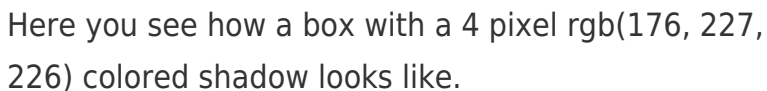
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 227, 226) }
```

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

```
.border{ border-color:rgb(176, 227, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 227, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 227, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 227, 226); box-shadow:4px 4px 4px 4px rgb(176, 227, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.173, 196.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 227, 226) }
```

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

```
.background{ background-color: rgb(176,  
227, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor