

Converting Colors

CIELCh(87, 24.685, 174.336)

Have a look what the booklet for
CIELCh(87, 24.685, 174.336)
contains.

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Color

CIELCh(87, 24.778, 173.999)

Conversions

Conversions Part 1

Format	Color
Hex	A5E7D4
RGB	165, 231, 212
RGB Percent	65%, 91%, 83%
CMY	0.3524, 0.0935, 0.1681
CMYK	0.29, 0.00, 0.08, 0.09
HSL	163°, 58%, 78%
HSV	163°, 29%, 91%
XYZ	56.0629, 70.0064, 72.9378
YIQ	209.1000, -33.2370, -19.9010

Conversions

Conversions Part 2

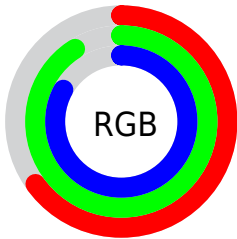
Format	Color
RYB	165, 204, 231
Decimal	10872788
CIELab	87.00, -24.64, 2.59
CIELCh	87, 24.778, 173.999
Yxy	70.0064, 0.2817, 0.3518
Android (android.graphics.Color)	4289062868 (0xFFA5E7D4)
YUV	209.1000, 1.4297, -38.6757
Hunter-Lab	83.6698, -26.8185, 6.8838

Details

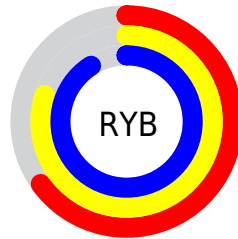
The CIELCh color **87, 24.778, 173.999** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 27.074, 359.952**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.478, 198.739**, and **67, 24.817, 173.636** is the 20% darker color. If you saturate the color by 10%, you get **86, 32.767, 172.842**, and if you desaturate by 10%, it is **88, 16.346, 175.064**.

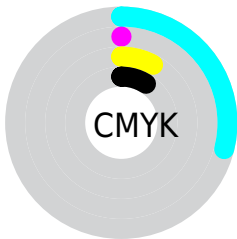
Distribution



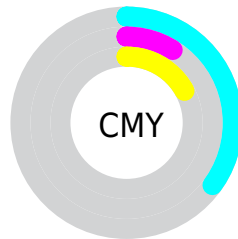
- Red (65%)
- Green (91%)
- Blue (83%)



- Red (65%)
- Yellow (80%)
- Blue (91%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)





- Cyan (35%)
- Magenta (9%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 24.778, 173.999 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, 24.778, 173.999 by changing the saturation by 10% instead.

 87, 24.778,
173.999

 87, 24.778,
173.999


 100, 24.778,
173.999

 77, 24.778,
173.999

 67, 24.778,
173.999

 57, 24.778,
173.999

 47, 24.778,
173.999

 37, 24.778,
173.999

 27, 24.778,
173.999


 17, 24.778,


173.999

 7, 24.778, 173.999


 0, 24.778, 173.999

 87, 24.778,
173.999


 87, 24.778,
173.999

 86, 32.767,
172.842


 88, 16.346,
175.064


 85, 40.156,
171.576

 90, 7.611, 176.082


 84, 46.803,
170.175

 92, 1.298, 356.515

 83, 52.589,
168.613

 94, 9.411, 355.471

 82, 57.445,

 94, 11.234,
339.387

166.867

94, 13.694,
328.498

82, 61.372,
164.920

94, 14.899,
324.938

82, 64.501,
162.797

82, 64.928,
162.493

Harmonies

Complementary

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



87, 24.778, 173.999



74, 27.074, 359.952

Rectangle

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



87, 24.778, 173.999



87, 24.778, 223.999



87, 24.778, 353.999



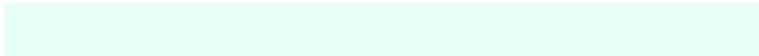
87, 24.778, 43.999

Sweetspot

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



87, 24.779, 173.997



98, 8.666, 176.032



87, 38.332, 134.371



52, 6.015, 175.883



0, 0.000, 0.000



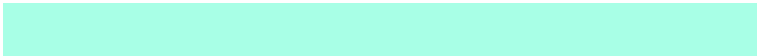
53, 0.007, 296.813

Same Dimension

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



87, 24.779, 173.997



94, 31.600, 173.359



84, 18.355, 220.776



47, 5.019, 175.991



65, 53.184, 162.887



18, 21.092, 166.714

Inverse Universe

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



74, 27.074, 359.952



78, 35.174, 0.774



77, 22.360, 39.205



45, 5.165, 357.646



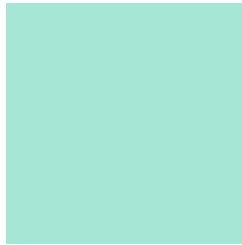
37, 67.436, 22.037



7, 26.649, 9.164

Previews

White Background



This preview shows how the CIE LCh color 87, 24.778, 173.999 looks on a white background.

Color Contrast Check

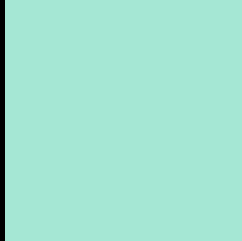
Large Text (above 18pt) WCAG AA × Fail

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, 24.778, 173.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

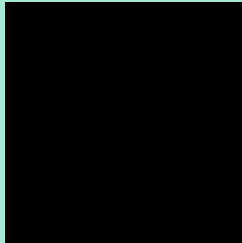
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

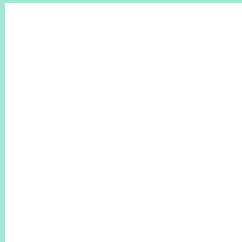
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 24.778, 173.999

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.778, 173.999.

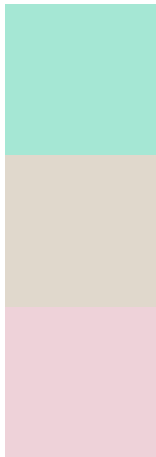


This preview shows how white text looks on a background with the CIELCh color 87, 24.778, 173.999.

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, 24.778, 173.999

Protanopia
87, 6.911, 84.243

Deuteranopia
87, 10.889, 0.615

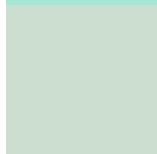


Tritanopia
87, 19.646, 229.046

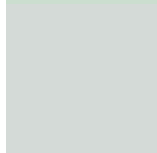
Trichromacy



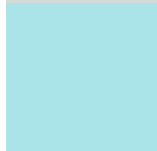
Original Color
87, 24.778, 173.999



Protanomaly
87, 10.484, 150.372



Deuteranomaly
87, 2.678, 163.589



Tritanomaly
87, 19.133, 206.093

Monochromacy



Original Color
87, 24.778, 173.999



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 9.349, 175.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.778, 173.999 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(165, 231, 212)` looks like.

```
.text, #text, p{  
    color:rgb(165, 231, 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(165, 231, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 231, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.778, 173.999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

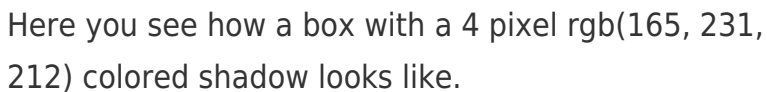
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 231, 212) }
```

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

```
.border{ border-color:rgb(165, 231, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 231, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 231, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 231, 212); box-shadow:4px 4px 4px 4px rgb(165, 231, 212) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.778, 173.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 231, 212) }
```

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

```
.background{ background-color: rgb(165,  
231, 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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