

Converting Colors

CIELCh(87, 26.419, 174.213)

Have a look what the booklet for
CIELCh(87, 26.419, 174.213)
contains.

CIELCh(87, 26.419, 174.213)	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, 26.419, 174.213)

Conversions

Conversions Part 1

Format	Color
Hex	A1E8D4
RGB	161, 232, 212
RGB Percent	63%, 91%, 83%
CMY	0.3688, 0.0904, 0.1688
CMYK	0.31, 0.00, 0.09, 0.09
HSL	163°, 61%, 77%
HSV	163°, 31%, 91%
XYZ	55.4068, 70.0064, 72.8461
YIQ	208.4910, -35.8960, -21.2720

Conversions

Conversions Part 2

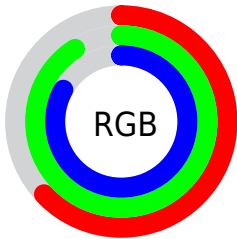
Format	Color
RYB	161, 202, 232
Decimal	10610900
CIELab	87.00, -26.28, 2.66
CIELCh	87, 26.419, 174.213
Yxy	70.0064, 0.2795, 0.3531
Android (android.graphics.Color)	4288800980 (0xFFA1E8D4)
YUV	208.4910, 1.7299, -41.6496
Hunter-Lab	83.6698, -28.2181, 6.9488

Details

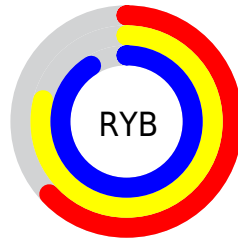
The CIELCh color **87, 26.419, 174.213** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **74, 29.127, 0.689**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 12.771, 198.653**, and **67, 26.448, 173.755** is the 20% darker color. If you saturate the color by 10%, you get **86, 34.271, 173.040**, and if you desaturate by 10%, it is **88, 18.086, 175.291**.

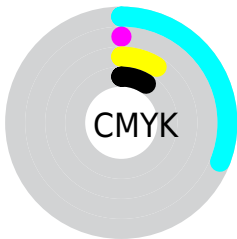
Distribution



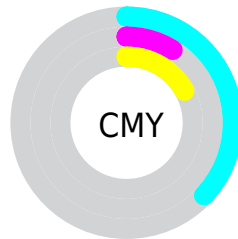
- Red (63%)
- Green (91%)
- Blue (83%)



- Red (63%)
- Yellow (79%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)





- Cyan (37%)
- Magenta (9%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 26.419, 174.213 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, 26.419, 174.213 by changing the saturation by 10% instead.


 87, 26.419,
174.213


 87, 26.419,
174.213


 100, 26.419,
174.213


 77, 26.419,
174.213

 67, 26.419,
174.213

 57, 26.419,
174.213

 47, 26.419,
174.213

 37, 26.419,
174.213


 27, 26.419,
174.213


 17, 26.419,


174.213


 7, 26.419, 174.213


 0, 26.419, 174.213

 87, 26.419,
174.213


 87, 26.419,
174.213

 86, 34.271,
173.040


 88, 18.086,
175.291

 85, 41.486,
171.755

 90, 9.415, 176.312

 84, 47.925,
170.331

 92, 0.540, 178.185

 83, 53.478,
168.743

 94, 8.428, 357.995

 83, 58.089,

 94, 10.490,
341.748

166.968

94, 12.826,
329.919

82, 61.781,
164.994

94, 14.394,
324.920

82, 64.584,
163.003

Harmonies

Complementary

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



87, 26.419, 174.213



74, 29.127, 0.689

Rectangle

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



87, 26.419, 174.213



87, 26.419, 224.213



87, 26.419, 354.213



87, 26.419, 44.213

Sweetspot

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



87, 26.420, 174.211



98, 8.635, 176.471



87, 41.394, 134.763



52, 5.993, 176.322



0, 0.000, 0.000



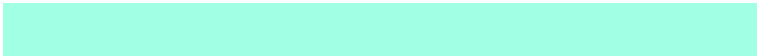
53, 0.007, 296.813

Same Dimension

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



87, 26.420, 174.211



94, 34.002, 173.452



83, 19.454, 223.160



47, 5.002, 176.430



65, 52.766, 163.400



18, 20.950, 167.196

Inverse Universe

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



74, 29.127, 0.689



76, 38.333, 1.701



77, 24.015, 40.912



45, 5.149, 358.085



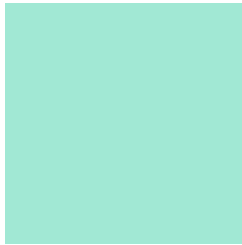
37, 67.651, 22.588



7, 26.645, 9.498

Previews

White Background



This preview shows how the CIELCh color 87, 26.419, 174.213 looks on a white background.

Color Contrast Check

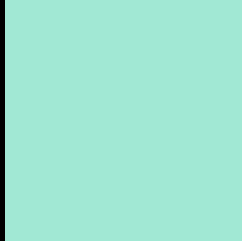
Large Text (above 18pt) WCAG AA × Fail

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, 26.419, 174.213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

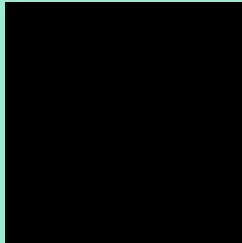
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

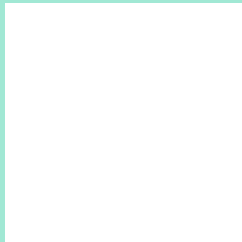
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 26.419, 174.213

Background



This preview shows how black text looks on a background with the CIELCh color 87, 26.419, 174.213.

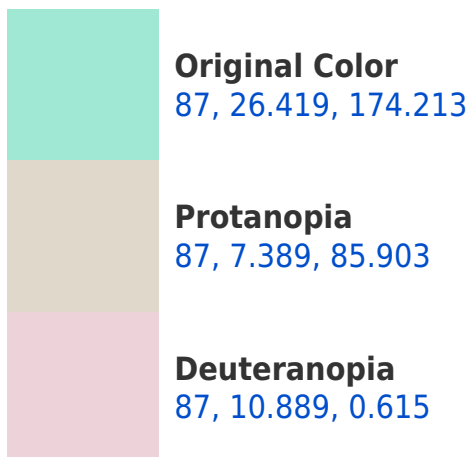



This preview shows how white text looks on a background with the CIELCh color 87, 26.419, 174.213.

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



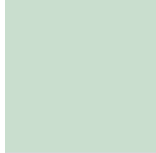


Tritanopia
87, 20.705, 225.575

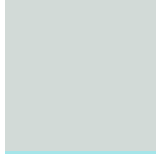
Trichromacy



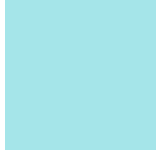
Original Color
87, 26.419, 174.213



Protanomaly
87, 11.363, 151.292



Deuteranomaly
86, 3.285, 170.798

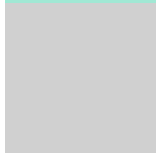


Tritanomaly
87, 20.875, 203.851

Monochromacy



Original Color
87, 26.419, 174.213



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 10.218, 174.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 26.419, 174.213 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(161, 232, 212)` looks like.

```
.text, #text, p{  
    color:rgb(161, 232, 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(161, 232, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 232, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 26.419, 174.213 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(161, 232, 212) }
```

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

```
.border{ border-color:rgb(161, 232, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 232, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 232, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 232, 212);  
box-shadow:4px 4px 4px 4px rgb(161, 232,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 26.419, 174.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 232, 212) }
```

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

```
.background{ background-color: rgb(161,  
232, 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](#).

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