

Converting Colors

CIELCh(87, 29.147, 173.336)

Have a look what the booklet for
CIELCh(87, 29.147, 173.336)
contains.

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Color

CIELCh(87, 28.838, 173.860)

Conversions

Conversions Part 1

Format	Color
Hex	9BE9D3
RGB	155, 233, 211
RGB Percent	61%, 91%, 83%
CMY	0.3918, 0.0859, 0.1722
CMYK	0.33, 0.00, 0.09, 0.09
HSL	163°, 64%, 76%
HSV	163°, 33%, 91%
XYZ	54.4618, 70.0064, 72.3218
YIQ	207.1700, -39.4260, -23.3780

Conversions

Conversions Part 2

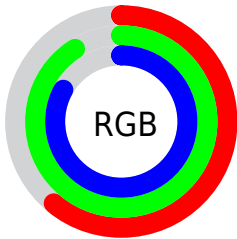
Format	Color
RYB	155, 200, 233
Decimal	10217939
CIELab	87.00, -28.67, 3.08
CIELCh	87, 28.838, 173.860
Yxy	70.0064, 0.2768, 0.3557
Android (android.graphics.Color)	4288408019 (0xFF9BE9D3)
YUV	207.1700, 1.8882, -45.7531
Hunter-Lab	83.6698, -30.2341, 7.3203

Details

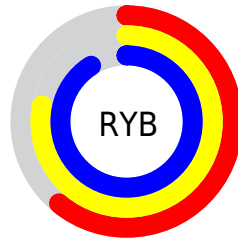
The CIELCh color **87, 28.838, 173.860** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **72, 32.100, 1.087**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **67, 28.812, 174.398** is the 20% darker color. If you saturate the color by 10%, you get **86, 36.556, 172.656**, and if you desaturate by 10%, it is **88, 20.593, 174.963**.

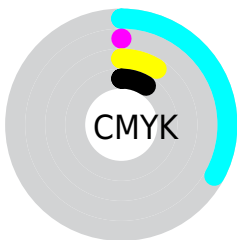
Distribution



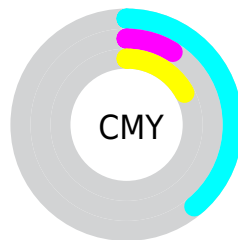
- Red (61%)
- Green (91%)
- Blue (83%)



- Red (61%)
- Yellow (78%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)



- Cyan (39%)
- Magenta (9%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 28.838, 173.860 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, 28.838, 173.860 by changing the saturation by 10% instead.

 87, 28.838,
173.860

 87, 28.838,
173.860

 100, 28.838,
173.860


 77, 28.838,
173.860

 67, 28.838,
173.860

 57, 28.838,
173.860

 47, 28.838,
173.860

 37, 28.838,
173.860

 27, 28.838,
173.860

 17, 28.838,


173.860

 7, 28.838, 173.860


 0, 28.838, 173.860


 87, 28.838,
173.860

 87, 28.838,
173.860

 86, 36.556,
172.656


 88, 20.593,
174.963

 85, 43.593,
171.333

 90, 11.968,
175.996

 84, 49.815,
169.864

 92, 3.101, 177.072

 83, 55.125,
168.223

 94, 5.887, 357.695

 83, 59.487,

 94, 9.612, 344.539

166.390

95, 11.875,
331.175

83, 62.948,
164.358

95, 13.684,
324.894

82, 64.861,
162.965

Harmonies

Complementary

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



87, 28.838, 173.860



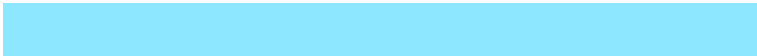
72, 32.100, 1.087

Rectangle

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



87, 28.838, 173.860



87, 28.838, 223.860



87, 28.838, 353.860



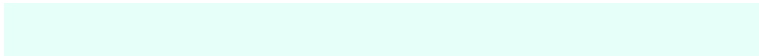
87, 28.838, 43.860

Sweetspot

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



87, 28.839, 173.858



98, 9.589, 176.342



87, 45.393, 134.600



52, 6.534, 176.199



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, 28.839, 173.858



93, 36.499, 173.061



83, 21.123, 223.422



48, 5.094, 176.401



65, 53.370, 163.344



19, 21.683, 166.939

Inverse Universe

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



72, 32.100, 1.087



74, 41.561, 2.182



76, 26.678, 40.930



46, 5.245, 358.060



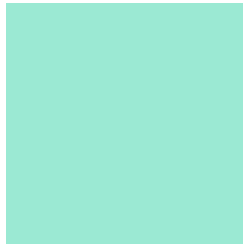
38, 68.379, 22.619



7, 27.804, 10.379

Previews

White Background



This preview shows how the CIELCh color 87, 28.838, 173.860 looks on a white background.

Color Contrast Check

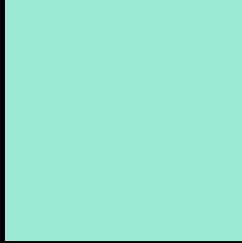
Large Text (above 18pt) WCAG AA × Fail

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, 28.838, 173.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

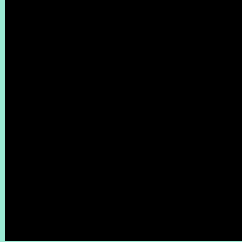
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

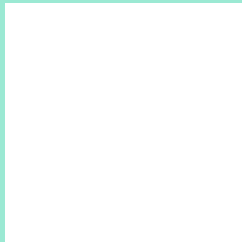
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 28.838, 173.860

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.838, 173.860.

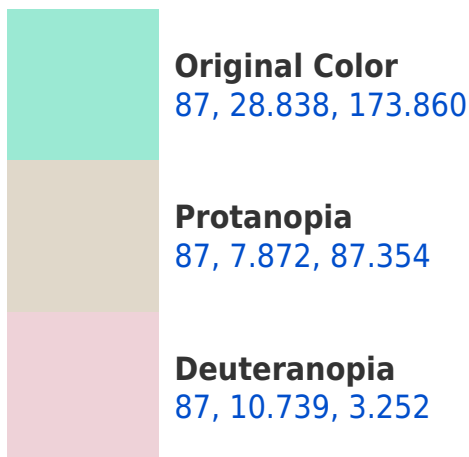


This preview shows how white text looks on a background with the CIELCh color 87, 28.838, 173.860.

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



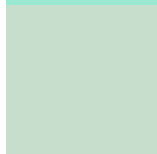


Tritanopia
87, 22.214, 223.485

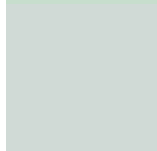
Trichromacy



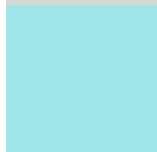
Original Color
87, 28.838, 173.860



Protanomaly
86, 12.246, 152.067



Deuteranomaly
86, 4.174, 169.124



Tritanomaly
87, 22.604, 201.946

Monochromacy



Original Color
87, 28.838, 173.860



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 10.860, 175.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.838, 173.860 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(155, 233, 211)` looks like.

```
.text, #text, p{  
    color:rgb(155, 233, 211)  
}
```

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(155, 233, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 233, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.838, 173.860 is called "border". The border property can be set on classes, ids or directly on the HTML element.

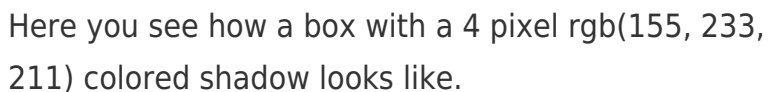
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 233, 211) }
```

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

```
.border{ border-color:rgb(155, 233, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 233, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 233, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 233, 211); box-shadow:4px 4px 4px 4px rgb(155, 233, 211) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.838, 173.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 233, 211) }
```

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

```
.background{ background-color: rgb(155,  
233, 211) }
```

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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