

Converting Colors

CIELCh(87, 28.097, 177.866)

Have a look what the booklet for
CIELCh(87, 28.097, 177.866)
contains.

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Color

CIELCh(87, 28.110, 177.851)

Conversions

Conversions Part 1

Format	Color
Hex	9AE9D7
RGB	154, 233, 215
RGB Percent	60%, 91%, 84%
CMY	0.3963, 0.0865, 0.1571
CMYK	0.34, 0.00, 0.08, 0.09
HSL	166°, 64%, 76%
HSV	166°, 34%, 91%
XYZ	54.6912, 70.0064, 74.8758
YIQ	207.3270, -41.3060, -22.3460

Conversions

Conversions Part 2

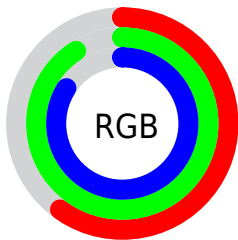
Format	Color
RYB	154, 199, 233
Decimal	10152407
CIELab	87.00, -28.09, 1.05
CIElCh	87, 28.110, 177.851
Yxy	70.0064, 0.2740, 0.3508
Android (android.graphics.Color)	4288342487 (0xFF9AE9D7)
YUV	207.3270, 3.7828, -46.7678
Hunter-Lab	83.6698, -29.7447, 5.5105

Details

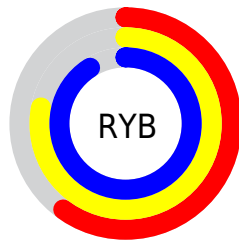
The CIELCh color **87, 28.110, 177.851** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **72, 32.055, 5.130**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.683, 198.527**, and **67, 28.248, 177.567** is the 20% darker color. If you saturate the color by 10%, you get **86, 35.376, 176.707**, and if you desaturate by 10%, it is **88, 20.264, 178.910**.

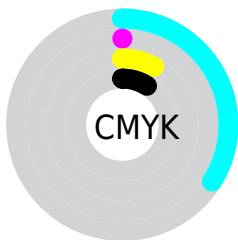
Distribution



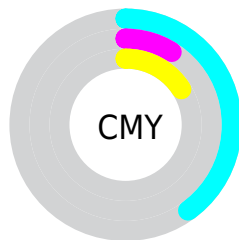
- Red (60%)
- Green (91%)
- Blue (84%)



- Red (60%)
- Yellow (78%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)





- Cyan (40%)
- Magenta (9%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 28.110, 177.851 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, 28.110, 177.851 by changing the saturation by 10% instead.


 87, 28.110,
177.851


 87, 28.110,
177.851


 100, 28.110,
177.851


 77, 28.110,
177.851

 67, 28.110,
177.851

 57, 28.110,
177.851

 47, 28.110,
177.851

 37, 28.110,
177.851

 27, 28.110,
177.851

 17, 28.110,

177.851

■ 7, 28.110, 177.851

■ 0, 28.110, 177.851

■ 87, 28.110,
177.851

■ 87, 28.110,
177.851

■ 86, 35.376,
176.707

■ 88, 20.264,
178.910

■ 85, 41.913,
175.463

■ 90, 11.983,
179.914

■ 84, 47.596,
174.093

■ 92, 3.407, 180.962

■ 83, 52.340,
172.571

■ 93, 5.346, 1.575

■ 94, 9.030, 350.961

■ 83, 56.118,

170.877

94, 10.601,
337.970

83, 58.989,
168.998

95, 12.580,
328.747

83, 60.426,
167.799

95, 13.776,
324.898

Harmonies

Complementary

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



87, 28.110, 177.851



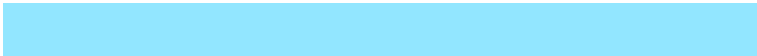
72, 32.055, 5.130

Rectangle

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



87, 28.110, 177.851



87, 28.110, 227.851



87, 28.110, 357.851



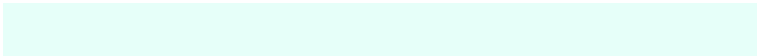
87, 28.110, 47.851

Sweetspot

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



87, 28.111, 177.849



98, 9.313, 180.297



87, 46.681, 136.032



52, 6.343, 180.157



0, 0.000, 0.000



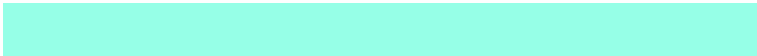
53, 0.007, 296.813

Same Dimension

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



87, 28.111, 177.849



93, 35.843, 177.026



82, 21.158, 230.431



48, 4.948, 180.355



66, 49.799, 168.148



19, 20.437, 171.428

Inverse Universe

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



72, 32.055, 5.130



74, 42.141, 6.371



76, 26.437, 46.054



46, 5.122, 1.988



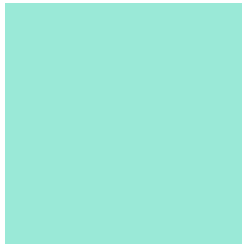
38, 70.542, 27.198



7, 27.861, 13.170

Previews

White Background



This preview shows how the CIE LCh color 87, 28.110, 177.851 looks on a white background.

Color Contrast Check

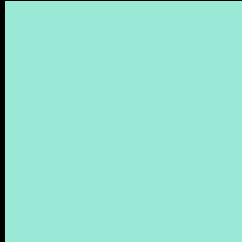
Large Text (above 18pt) WCAG AA × Fail

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, 28.110, 177.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

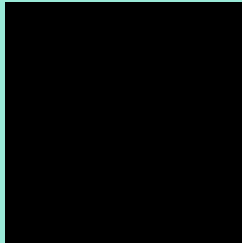
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

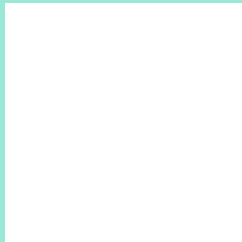
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 28.110, 177.851

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.110, 177.851.

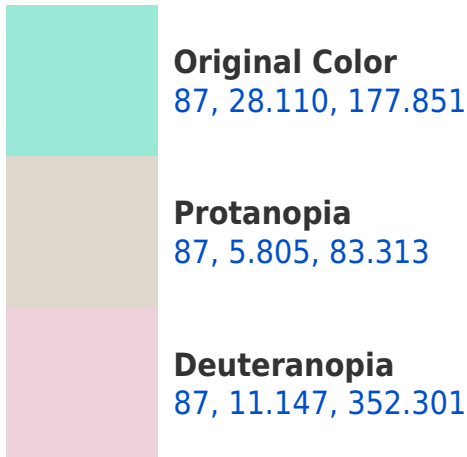


This preview shows how white text looks on a background with the CIELCh color 87, 28.110, 177.851.

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, 22.872, 224.154

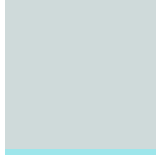
Trichromacy



Original Color
87, 28.110, 177.851



Protanomaly
86, 11.040, 160.629



Deuteranomaly
86, 3.908, 199.277

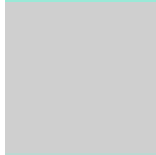


Tritanomaly
87, 23.121, 204.467

Monochromacy



Original Color
87, 28.110, 177.851



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 10.442, 181.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.110, 177.851 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(154, 233, 215)` looks like.

```
.text, #text, p{  
    color:rgb(154, 233, 215)  
}
```

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(154, 233, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 233, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.110, 177.851 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(154, 233, 215) }
```

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

```
.border{ border-color:rgb(154, 233, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 233, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 233, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 233, 215);  
box-shadow:4px 4px 4px 4px rgb(154, 233,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.110, 177.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 233, 215) }
```

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

```
.background{ background-color: rgb(154,  
233, 215) }
```

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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