

Converting Colors

CIELCh(87, 21.626, 198.535)

Have a look what the booklet for
CIELCh(87, 21.626, 198.535)
contains.

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Color

CIELCh(87, 21.598, 197.978)

Conversions

Conversions Part 1

Format	Color
Hex	A4E6E6
RGB	164, 230, 230
RGB Percent	64%, 90%, 90%
CMY	0.3579, 0.0991, 0.0991
CMYK	0.29, 0.00, 0.00, 0.10
HSL	180°, 57%, 77%
HSV	180°, 29%, 90%
XYZ	57.7230, 70.0064, 85.1354
YIQ	210.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

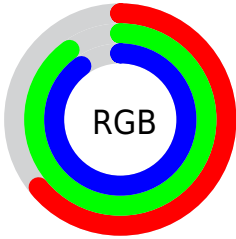
Format	Color
RYB	164, 197, 230
Decimal	10807014
CIELab	87.00, -20.54, -6.67
CIElCh	87, 21.598, 197.978
Yxy	70.0064, 0.2712, 0.3289
Android (android.graphics.Color)	4288997094 (0xFFA4E6E6)
YUV	210.2660, 9.7289, -40.5753
Hunter-Lab	83.6698, -23.2768, -1.7596

Details

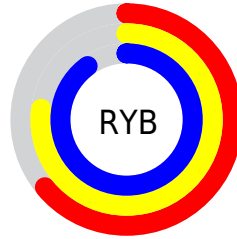
The CIELCh color **87, 21.598, 197.978** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 26.286, 21.770**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.478, 198.739**, and **67, 21.325, 199.172** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.911, 197.555**, and if you desaturate by 10%, it is **88, 14.580, 198.454**.

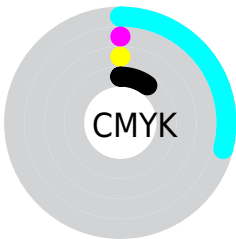
Distribution



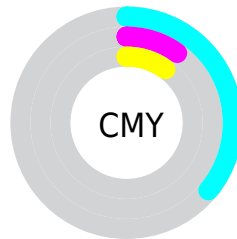
- Red (64%)
- Green (90%)
- Blue (90%)



- Red (64%)
- Yellow (77%)
- Blue (90%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (36%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.598, 197.978 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, 21.598, 197.978 by changing the saturation by 10% instead.

■ 87, 21.598,
197.978

■ 87, 21.598,
197.978

■ 100, 21.598,
197.978

■ 77, 21.598,
197.978

■ 67, 21.598,
197.978

■ 57, 21.598,
197.978

■ 47, 21.598,
197.978

■ 37, 21.598,
197.978

■ 27, 21.598,
197.978

■ 17, 21.598,

197.978

■ 7, 21.598, 197.978

■ 0, 21.598, 197.978

■ 87, 21.598,
197.978

■ 87, 21.598,
197.978

■ 86, 27.911,
197.555

■ 88, 14.580,
198.454

■ 85, 33.392,
197.199

■ 90, 6.989, 199.012

■ 91, 1.046, 18.890

■ 84, 37.935,
196.908

■ 93, 9.171, 19.973

■ 84, 41.473,
196.685

■ 93, 9.171, 19.972

■ 83, 43.988,

■ 93, 9.171, 19.970

196.527

93, 9.171, 19.968

83, 45.526,
196.431

93, 9.171, 19.966

83, 46.246,
196.386

93, 9.171, 19.964

83, 46.314,
196.382

Harmonies

Complementary

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



87, 21.598, 197.978



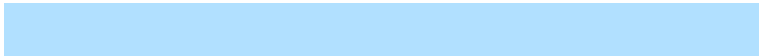
73, 26.286, 21.770

Rectangle

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



87, 21.598, 197.978



87, 21.598, 247.978



87, 21.598, 17.978



87, 21.598, 67.978

Sweetspot

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



87, 21.599, 197.974



98, 7.839, 198.992



86, 41.941, 142.051



52, 5.426, 198.903



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, 21.599, 197.974



95, 27.211, 197.737



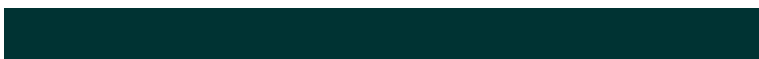
78, 19.987, 258.028



47, 4.537, 198.967



66, 38.347, 196.382



18, 16.092, 196.383

Inverse Universe

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



73, 26.286, 21.770



77, 34.547, 22.472



81, 21.822, 70.081



45, 4.817, 19.933



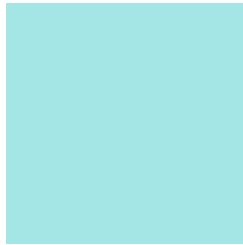
37, 79.983, 39.970



6, 27.105, 21.756

Previews

White Background



This preview shows how the CIE LCh color 87, 21.598, 197.978 looks on a white background.

Color Contrast Check

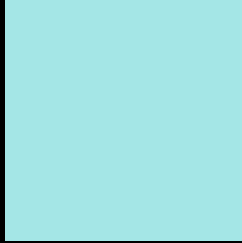
Large Text (above 18pt) WCAG AA × Fail

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, 21.598, 197.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

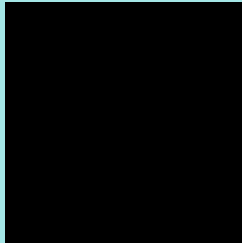
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 21.598, 197.978

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.598, 197.978.

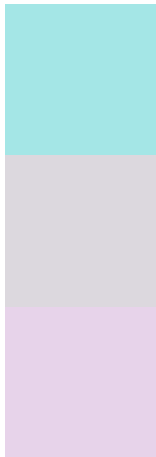


This preview shows how white text looks on a background with the CIELCh color 87, 21.598, 197.978.

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, 21.598, 197.978

Protanopia
87, 3.477, 314.727

Deuteranopia
87, 14.040, 321.295

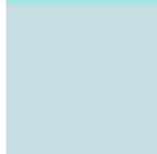


Tritanopia
87, 21.140, 226.576

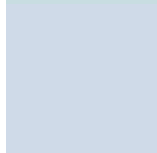
Trichromacy



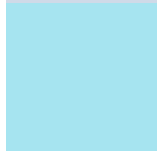
Original Color
87, 21.598, 197.978



Protanomaly
87, 7.553, 215.142



Deuteranomaly
87, 8.190, 263.131



Tritanomaly
87, 20.659, 216.007

Monochromacy



Original Color
87, 21.598, 197.978



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 8.408, 198.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.598, 197.978 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(164, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(164, 230, 230)  
}
```

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(164, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 230, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.598, 197.978 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(164, 230, 230) }
```

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

```
.border{ border-color:rgb(164, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(164, 230,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.598, 197.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 230, 230) }
```

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

```
.background{ background-color: rgb(164,  
230, 230) }
```

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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