

Converting Colors

CIELCh(87, 21.205, 197.976)

Have a look what the booklet for
CIELCh(87, 21.205, 197.976)
contains.

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Color

CIElCh(87, 21.307, 197.997)

Conversions

Conversions Part 1

Format	Color
Hex	A5E6E6
RGB	165, 230, 230
RGB Percent	65%, 90%, 90%
CMY	0.3545, 0.0997, 0.0997
CMYK	0.28, 0.00, 0.00, 0.10
HSL	180°, 56%, 77%
HSV	180°, 28%, 90%
XYZ	57.8372, 70.0064, 85.0202
YIQ	210.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

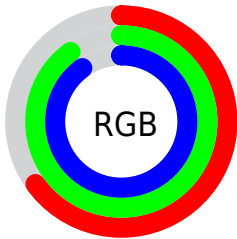
Format	Color
R_{YB}	165, 198, 230
Decimal	10872550
CIE _{Lab}	87.00, -20.26, -6.58
CIE _{LCh}	87, 21.307, 197.997
Yxy	70.0064, 0.2717, 0.3289
Android (android.graphics.Color)	4289062630 (0xFFA5E6E6)
YUV	210.5650, 9.5815, -39.9605
Hunter-Lab	83.6698, -23.0332, -1.6781

Details

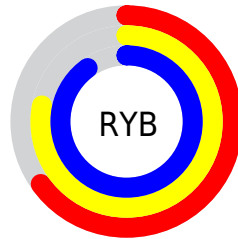
The CIELCh color **87, 21.307, 197.997** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 25.849, 21.721**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.153, 198.761**, and **67, 21.044, 199.215** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.649, 197.571**, and if you desaturate by 10%, it is **88, 14.266, 198.476**.

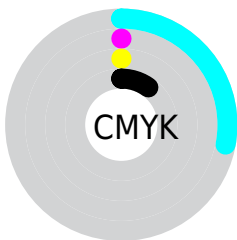
Distribution



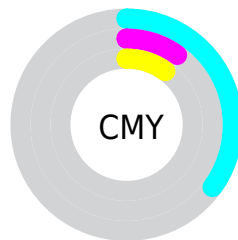
- Red (65%)
- Green (90%)
- Blue (90%)



- Red (65%)
- Yellow (78%)
- Blue (90%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)




- Cyan (35%)
- Magenta (10%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.307, 197.997 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, 21.307, 197.997 by changing the saturation by 10% instead.


 87, 21.307,
197.997

 87, 21.307,
197.997


 100, 21.307,
197.997


 77, 21.307,
197.997

 67, 21.307,
197.997

 57, 21.307,
197.997

 47, 21.307,
197.997

 37, 21.307,
197.997

 27, 21.307,
197.997

 17, 21.307,

197.997

■ 7, 21.307, 197.997

■ 0, 21.307, 197.997

■ 87, 21.307,
197.997

■ 87, 21.307,
197.997

■ 86, 27.649,
197.571

■ 88, 14.266,
198.476

■ 85, 33.164,
197.212

■ 90, 6.658, 199.039

■ 84, 37.746,
196.919

■ 91, 1.388, 19.058

■ 93, 9.227, 19.978

■ 84, 41.325,
196.693

■ 93, 9.227, 19.976

■ 83, 43.881,

■ 93, 9.227, 19.974

196.533

93, 9.227, 19.972

83, 45.457,
196.434

93, 9.227, 19.971

83, 46.200,
196.388

93, 9.227, 19.969

83, 46.291,
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, 21.307, 197.997



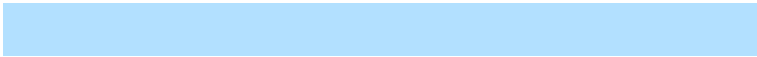
74, 25.849, 21.721

Rectangle

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



87, 21.307, 197.997



87, 21.307, 247.997



87, 21.307, 17.997



87, 21.307, 67.997

Sweetspot

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



87, 21.308, 197.993



99, 6.985, 199.056



86, 41.314, 142.086



52, 4.945, 198.961



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, 21.308, 197.993



95, 27.211, 197.737



79, 19.693, 257.947



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.



74, 25.849, 21.721



77, 34.547, 22.472



81, 21.470, 70.133



45, 4.817, 19.933



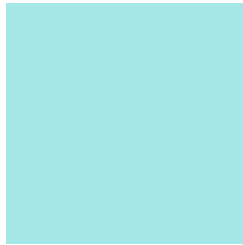
37, 79.983, 39.971



6, 27.105, 21.757

Previews

White Background



This preview shows how the CIE LCh color 87, 21.307, 197.997 looks on a white background.

Color Contrast Check

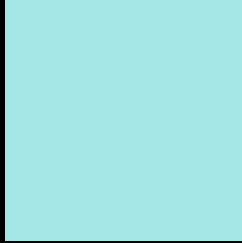
Large Text (above 18pt) WCAG AA × Fail

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, 21.307, 197.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

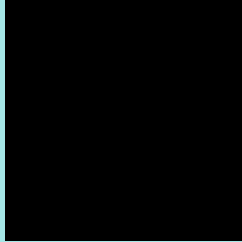
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 21.307, 197.997

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.307, 197.997.

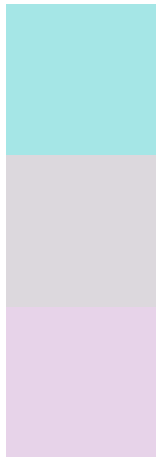


This preview shows how white text looks on a background with the CIELCh color 87, 21.307, 197.997.

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, 21.307, 197.997

Protanopia
87, 3.008, 318.837

Deuteranopia
87, 13.595, 322.415

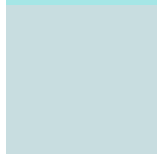


Tritanopia
87, 20.705, 225.575

Trichromacy



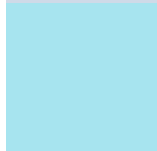
Original Color
87, 21.307, 197.997



Protanomaly
87, 7.451, 211.194



Deuteranomaly
87, 8.190, 263.131



Tritanomaly
87, 20.293, 214.786

Monochromacy



Original Color
87, 21.307, 197.997



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, 21.307, 197.997 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, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 230, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.307, 197.997 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, 230, 230) }
```

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

```
.border{ border-color:rgb(165, 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(165, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 230, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 230, 230); box-shadow:4px 4px 4px 4px rgb(165, 230, 230) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.307, 197.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 230, 230) }
```

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

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