

Converting Colors

CIELCh(87, 21.012, 197.996)

Have a look what the booklet for
CIELCh(87, 21.012, 197.996)
contains.

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Color

CIELCh(87, 21.022, 198.012)

Conversions

Conversions Part 1

Format	Color
Hex	A5E5E5
RGB	165, 229, 229
RGB Percent	65%, 90%, 90%
CMY	0.3513, 0.1002, 0.1003
CMYK	0.28, 0.00, 0.00, 0.10
HSL	180°, 56%, 77%
HSV	180°, 28%, 90%
XYZ	57.9489, 70.0064, 84.9056
YIQ	209.8640, -38.1440, -13.5680

Conversions

Conversions Part 2

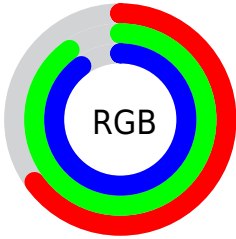
Format	Color
R_{YB}	165, 197, 229
Decimal	10872293
CIE _{Lab}	87.00, -19.99, -6.50
CIE _{LCh}	87, 21.022, 198.012
Yxy	70.0064, 0.2722, 0.3289
Android (android.graphics.Color)	4289062373 (0xFFA5E5E5)
YUV	209.8640, 9.4340, -39.3457
Hunter-Lab	83.6698, -22.7948, -1.5968

Details

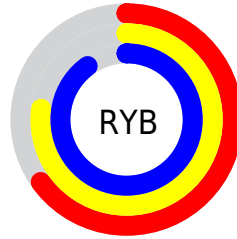
The CIELCh color **87, 21.022, 198.012** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 25.425, 21.670**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.153, 198.761**, and **67, 20.766, 199.252** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.392, 197.584**, and if you desaturate by 10%, it is **88, 13.959, 198.493**.

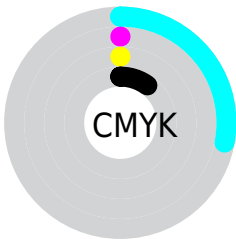
Distribution



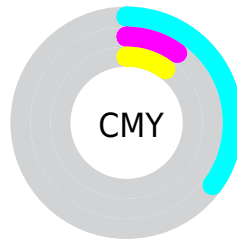
- Red (65%)
- Green (90%)
- Blue (90%)



- Red (65%)
- Yellow (77%)
- 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, 21.022, 198.012 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, 21.022, 198.012 by changing the saturation by 10% instead.


 87, 21.022,
198.012

 87, 21.022,
198.012


 100, 21.022,
198.012


 77, 21.022,
198.012

 67, 21.022,
198.012

 57, 21.022,
198.012

 47, 21.022,
198.012

 37, 21.022,
198.012

 27, 21.022,
198.012

 17, 21.022,

198.012

■ 7, 21.022, 198.012

■ 0, 21.022, 198.012

■ 87, 21.022,
198.012

■ 87, 21.022,
198.012

■ 86, 27.392,
197.584

■ 88, 13.959,
198.493

■ 85, 32.941,
197.222

■ 90, 6.334, 199.062

■ 84, 37.560,
196.925

■ 91, 1.723, 19.164

■ 84, 41.179,
196.696

■ 93, 9.282, 19.979

■ 83, 43.776,

■ 93, 9.282, 19.975

■ 93, 9.282, 19.970

196.533

93, 9.282, 19.965

83, 45.390,
196.432

93, 9.282, 19.961

83, 46.158,
196.383

93, 9.282, 19.956

83, 46.271,
196.376

Harmonies

Complementary

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



87, 21.022, 198.012



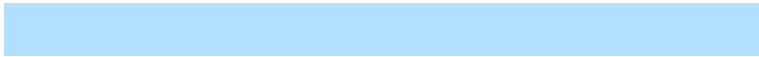
74, 25.425, 21.670

Rectangle

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



87, 21.022, 198.012



87, 21.022, 248.012



87, 21.022, 18.012



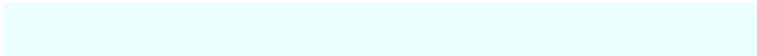
87, 21.022, 68.012

Sweetspot

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



87, 21.023, 198.008



99, 6.985, 199.053



86, 40.702, 142.121



52, 4.945, 198.957



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, 21.023, 198.008



95, 26.524, 197.776



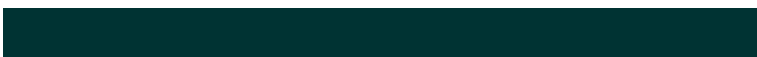
79, 19.407, 257.868



47, 4.537, 198.964



66, 38.348, 196.376



18, 16.092, 196.378

Inverse Universe

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



74, 25.425, 21.670



78, 33.409, 22.332



81, 21.128, 70.183



45, 4.817, 19.930



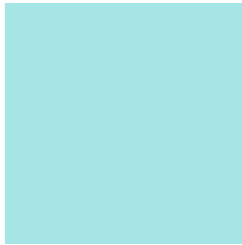
37, 79.981, 39.969



6, 27.105, 21.755

Previews

White Background



This preview shows how the CIE LCh color 87, 21.022, 198.012 looks on a white background.

Color Contrast Check

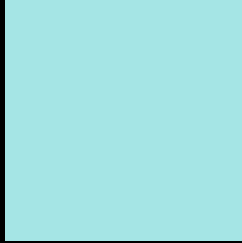
Large Text (above 18pt) WCAG AA × Fail

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, 21.022, 198.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

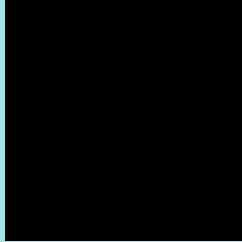
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

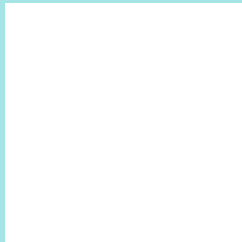
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 21.022, 198.012

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.022, 198.012.

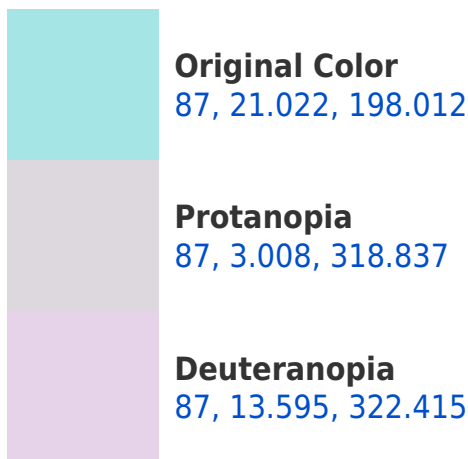


This preview shows how white text looks on a background with the CIELCh color 87, 21.022, 198.012.

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



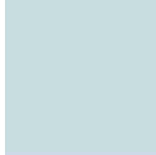


Tritanopia
87, 20.451, 225.955

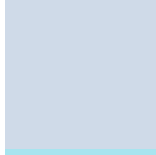
Trichromacy



Original Color
87, 21.022, 198.012



Protanomaly
87, 7.451, 211.194



Deuteranomaly
87, 8.190, 263.131

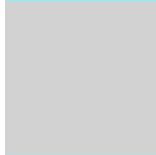


Tritanomaly
87, 20.016, 215.038

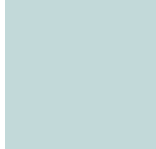
Monochromacy



Original Color
87, 21.022, 198.012



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 8.067, 198.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.022, 198.012 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, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(165, 229, 229)  
}
```

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, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 229, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.022, 198.012 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, 229, 229) }
```

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

```
.border{ border-color:rgb(165, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(165, 229,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.022, 198.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 229, 229) }
```

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

```
.background{ background-color: rgb(165,  
229, 229) }
```

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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