

Converting Colors

CIELCh(87, 21.258, 199.424)

Have a look what the booklet for
CIELCh(87, 21.258, 199.424)
contains.

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Color

CIELCh(87, 21.541, 199.390)

Conversions

Conversions Part 1

Format	Color
Hex	A4E6E7
RGB	164, 230, 231
RGB Percent	64%, 90%, 91%
CMY	0.3582, 0.0994, 0.0955
CMYK	0.29, 0.00, 0.00, 0.10
HSL	181°, 58%, 77%
HSV	181°, 29%, 90%
XYZ	57.8148, 70.0064, 85.8098
YIQ	210.3800, -39.6570, -13.6810

Conversions

Conversions Part 2

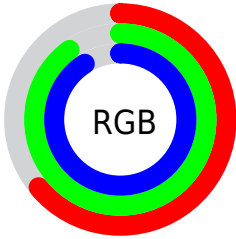
Format	Color
RYB	164, 197, 231
Decimal	10807015
CIELab	87.00, -20.32, -7.15
CIELCh	87, 21.541, 199.390
Yxy	70.0064, 0.2706, 0.3277
Android (android.graphics.Color)	4288997095 (0xFFA4E6E7)
YUV	210.3800, 10.1657, -40.6753
Hunter-Lab	83.6698, -23.0810, -2.2376

Details

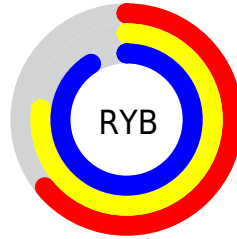
The CIELCh color **87, 21.541, 199.390** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 26.328, 22.908**, and the grayscale version is **84, 0.010, 296.813**.

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, 27.745, 199.042**, and if you desaturate by 10%, it is **88, 14.633, 199.801**.

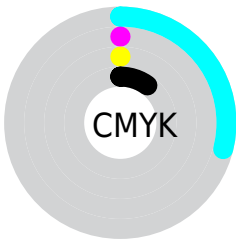
Distribution



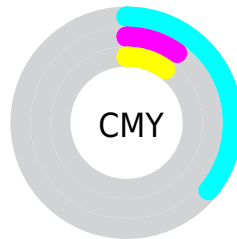
- Red (64%)
- Green (90%)
- Blue (91%)



- Red (64%)
- Yellow (77%)
- Blue (91%)



- 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, 21.541, 199.390 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, 21.541, 199.390 by changing the saturation by 10% instead.


 87, 21.541,
199.390


 87, 21.541,
199.390


 100, 21.541,
199.390


 77, 21.541,
199.390

 67, 21.541,
199.390

 57, 21.541,
199.390

 47, 21.541,
199.390

 37, 21.541,
199.390

 27, 21.541,
199.390

 17, 21.541,

199.390

■ 7, 21.541, 199.390

■ 0, 21.541, 199.390

■ 87, 21.541,
199.390

■ 87, 21.541,
199.390

■ 86, 27.745,
199.042

■ 88, 14.633,
199.801

■ 85, 33.118,
198.775

■ 90, 7.151, 200.301

■ 92, 0.775, 19.921

■ 84, 37.554,
198.591

■ 94, 8.689, 21.205

■ 83, 40.983,
198.495

■ 94, 8.570, 22.388

■ 83, 43.387,

■ 94, 8.455, 23.603

198.491

94, 8.343, 24.852

82, 44.813,
198.578

94, 8.236, 26.133

82, 45.426,
198.744

94, 8.133, 27.448

82, 45.469,
198.762

Harmonies

Complementary

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



87, 21.541, 199.390



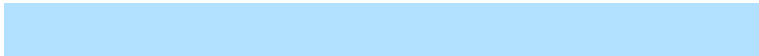
74, 26.328, 22.908

Rectangle

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



87, 21.541, 199.390



87, 21.541, 249.390



87, 21.541, 19.390



87, 21.541, 69.390

Sweetspot

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



87, 21.541, 199.386



98, 7.720, 200.301



86, 42.768, 142.416



52, 5.344, 200.219



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, 21.541, 199.386



94, 27.454, 199.166



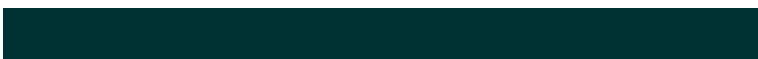
78, 20.598, 259.970



47, 4.468, 200.278



65, 37.547, 198.722



18, 15.806, 198.355

Inverse Universe

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



75, 42.340, 326.432



79, 55.132, 326.759



82, 22.322, 71.792



45, 8.223, 325.341



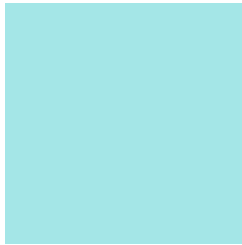
42, 87.406, 328.831



8, 36.745, 328.737

Previews

White Background



This preview shows how the CIE LCh color 87, 21.541, 199.390 looks on a white background.

Color Contrast Check

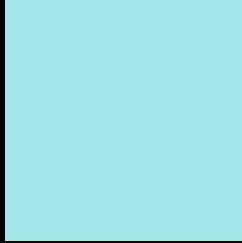
Large Text (above 18pt) WCAG AA × Fail

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, 21.541, 199.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

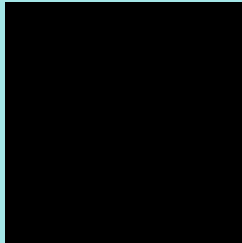
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 21.541, 199.390

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.541, 199.390.



This preview shows how white text looks on a background with the CIELCh color 87, 21.541, 199.390.

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



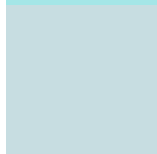


Tritanopia
87, 21.140, 226.576

Trichromacy



Original Color
87, 21.541, 199.390



Protanomaly
87, 7.878, 214.436



Deuteranomaly
87, 8.800, 262.810

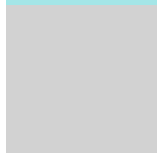


Tritanomaly
87, 20.659, 216.007

Monochromacy



Original Color
87, 21.541, 199.390



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 8.395, 202.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.541, 199.390 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(164, 230, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 230, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.541, 199.390 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, 231) }
```

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

```
.border{ border-color:rgb(164, 230, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 230, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 230, 231);  
box-shadow:4px 4px 4px 4px rgb(164, 230,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.541, 199.390 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, 231) }
```

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

```
.background{ background-color: rgb(164,  
230, 231) }
```

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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