

Converting Colors

CIELCh(87, 20.029, 210.235)

Have a look what the booklet for
CIELCh(87, 20.029, 210.235)
contains.

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Color

CIELCh(87, 19.807, 210.461)

Conversions

Conversions Part 1

Format	Color
Hex	A8E4EC
RGB	168, 228, 236
RGB Percent	66%, 89%, 93%
CMY	0.3404, 0.1051, 0.0737
CMYK	0.29, 0.03, 0.00, 0.07
HSL	187°, 64%, 79%
HSV	187°, 29%, 93%
XYZ	59.1539, 70.0064, 89.8998
YIQ	210.9720, -38.3280, -10.2320

Conversions

Conversions Part 2

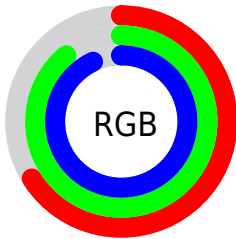
Format	Color
R _Y B	168, 200, 236
Decimal	11068652
CIE Lab	87.00, -17.07, -10.04
CIE LCh	87, 19.807, 210.461
Yxy	70.0064, 0.2700, 0.3196
Android (android.graphics.Color)	4289258732 (0xFFA8E4EC)
YUV	210.9720, 12.3388, -37.6864
Hunter-Lab	83.6698, -20.2240, -5.1358

Details

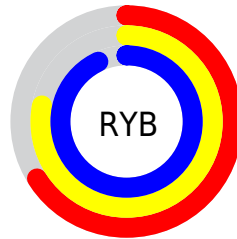
The CIELCh color **87, 19.807, 210.461** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **77, 24.323, 31.334**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.172, 198.828**, and **67, 19.569, 211.073** is the 20% darker color. If you saturate the color by 10%, you get **85, 25.566, 210.719**, and if you desaturate by 10%, it is **89, 13.395, 210.356**.

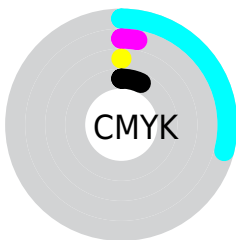
Distribution



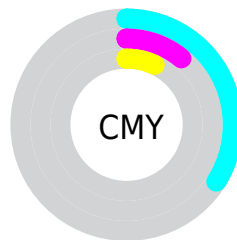
- Red (66%)
- Green (89%)
- Blue (93%)



- Red (66%)
- Yellow (78%)
- Blue (93%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (34%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 19.807, 210.461 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, 19.807, 210.461 by changing the saturation by 10% instead.

■ 87, 19.807,
210.461

■ 87, 19.807,
210.461

■ 100, 19.807,
210.461

■ 77, 19.807,
210.461

■ 67, 19.807,
210.461

■ 57, 19.807,
210.461

■ 47, 19.807,
210.461

■ 37, 19.807,
210.461

■ 27, 19.807,
210.461

■ 17, 19.807,

210.461

■ 7, 19.807, 210.461

■ 0, 19.807, 210.461

■ 87, 19.807,
210.461

■ 87, 19.807,
210.461

■ 85, 25.566,
210.719

■ 89, 13.395,
210.356

■ 83, 30.550,
211.176

■ 91, 6.452, 210.414

■ 94, 0.908, 29.726

■ 82, 34.651,
211.869

■ 96, 5.848, 35.426

■ 80, 37.791,
212.843

■ 96, 5.511, 52.574

■ 79, 39.941,

■ 97, 5.704, 70.139

214.150

98, 6.375, 85.223

78, 41.142,
215.836

98, 7.394, 96.765

77, 41.557,
217.911

99, 8.636, 105.224

77, 41.588,
218.173

Harmonies

Complementary

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



87, 19.807, 210.461



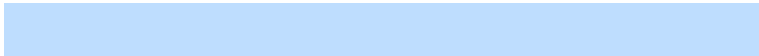
77, 24.323, 31.334

Rectangle

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



87, 19.807, 210.461



87, 19.807, 260.461



87, 19.807, 30.461



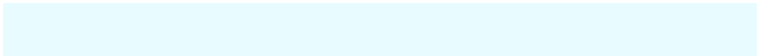
87, 19.807, 80.461

Sweetspot

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



87, 19.807, 210.456



98, 7.024, 210.410



88, 39.879, 145.692



52, 4.862, 210.390



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, 19.807, 210.456



92, 24.955, 210.603



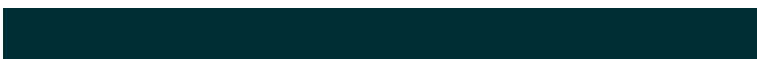
78, 23.688, 271.457



48, 4.139, 210.403



60, 34.116, 217.756



17, 14.776, 214.248

Inverse Universe

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



77, 39.911, 329.522



79, 51.439, 329.908



85, 24.306, 83.134



46, 7.801, 328.343



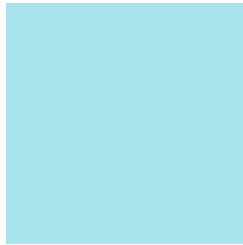
42, 81.504, 333.537



9, 35.373, 332.675

Previews

White Background



This preview shows how the CIE LCh color 87, 19.807, 210.461 looks on a white background.

Color Contrast Check

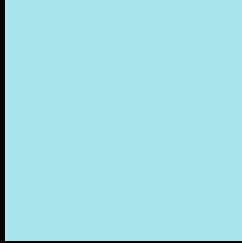
Large Text (above 18pt) WCAG AA × Fail

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, 19.807, 210.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

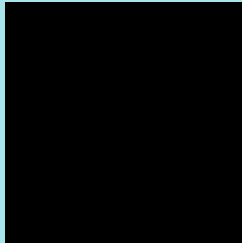
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 19.807, 210.461

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.807, 210.461.

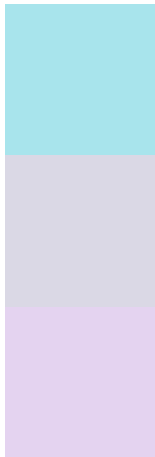


This preview shows how white text looks on a background with the CIELCh color 87, 19.807, 210.461.

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, 19.807, 210.461

Protanopia
87, 6.863, 296.639

Deuteranopia
87, 16.401, 312.529

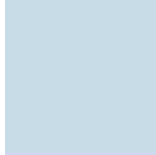


Tritanopia
87, 20.197, 226.346

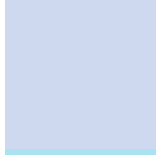
Trichromacy



Original Color
87, 19.807, 210.461



Protanomaly
87, 9.187, 242.410



Deuteranomaly
86, 12.041, 273.027

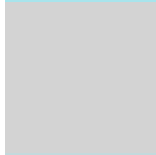


Tritanomaly
87, 19.954, 221.628

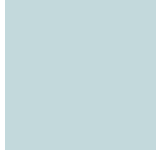
Monochromacy



Original Color
87, 19.807, 210.461



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 7.805, 210.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.807, 210.461 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(168, 228, 236)` looks like.

```
.text, #text, p{  
    color:rgb(168, 228, 236)  
}
```

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(168, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 228, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.807, 210.461 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(168, 228, 236) }
```

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

```
.border{ border-color:rgb(168, 228, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(168, 228,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.807, 210.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 228, 236) }
```

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

```
.background{ background-color: rgb(168,  
228, 236) }
```

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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