

Converting Colors

CIELCh(87, 20.253, 196.766)

Have a look what the booklet for
CIELCh(87, 20.253, 196.766)
contains.

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Color

CIELCh(87, 20.201, 196.568)

Conversions

Conversions Part 1

Format	Color
Hex	A8E5E4
RGB	168, 229, 228
RGB Percent	66%, 90%, 89%
CMY	0.3409, 0.1017, 0.1056
CMYK	0.27, 0.00, 0.00, 0.10
HSL	179°, 54%, 78%
HSV	179°, 27%, 90%
XYZ	58.2074, 70.0064, 83.8858
YIQ	210.6470, -36.0350, -13.2430

Conversions

Conversions Part 2

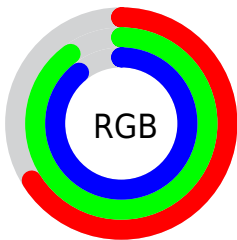
Format	Color
RYB	168, 199, 229
Decimal	11068900
CIELab	87.00, -19.36, -5.76
CIELCh	87, 20.201, 196.568
Yxy	70.0064, 0.2744, 0.3301
Android (android.graphics.Color)	4289258980 (0xFFA8E5E4)
YUV	210.6470, 8.5550, -37.4014
Hunter-Lab	83.6698, -22.2433, -0.8742

Details

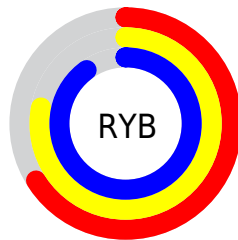
The CIELCh color **87, 20.201, 196.568** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 24.066, 20.267**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.172, 198.828**, and **67, 19.975, 197.770** is the 20% darker color. If you saturate the color by 10%, you get **86, 26.710, 196.059**, and if you desaturate by 10%, it is **88, 13.031, 197.117**.

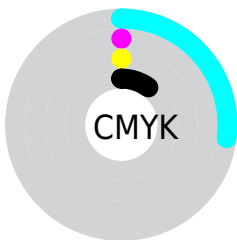
Distribution



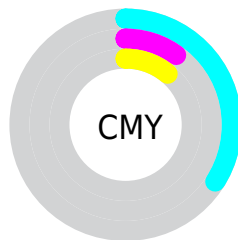
- Red (66%)
- Green (90%)
- Blue (89%)



- Red (66%)
- Yellow (78%)
- Blue (90%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (34%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 20.201, 196.568 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, 20.201, 196.568 by changing the saturation by 10% instead.

■ 87, 20.201,
196.568

■ 87, 20.201,
196.568

■ 100, 20.201,
196.568

■ 77, 20.201,
196.568

■ 67, 20.201,
196.568

■ 57, 20.201,
196.568

■ 47, 20.201,
196.568

■ 37, 20.201,
196.568

■ 27, 20.201,
196.568

■ 17, 20.201,

196.568

■ 7, 20.201, 196.568

■ 0, 20.201, 196.568

■ 87, 20.201,
196.568

■ 87, 20.201,
196.568

■ 86, 26.710,
196.059

■ 88, 13.031,
197.117

■ 85, 32.425,
195.601

■ 90, 5.333, 197.756

■ 92, 2.767, 18.021

■ 84, 37.234,
195.190

■ 93, 9.421, 18.430

■ 84, 41.055,
194.825

■ 93, 9.423, 17.257

■ 83, 43.856,

■ 93, 9.429, 16.086

194.501

93, 9.440, 14.916

83, 45.664,
194.211

93, 9.454, 13.750

83, 46.588,
193.947

93, 9.472, 12.588

83, 46.792,
193.860

Harmonies

Complementary

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



87, 20.201, 196.568



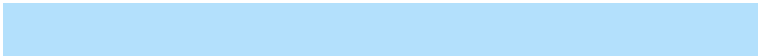
75, 24.066, 20.267

Rectangle

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



87, 20.201, 196.568



87, 20.201, 246.568



87, 20.201, 16.568



87, 20.201, 66.568

Sweetspot

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



87, 20.202, 196.564



99, 6.994, 197.654



86, 38.809, 142.226



52, 4.953, 197.551



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, 20.202, 196.564



95, 25.928, 196.278



79, 18.520, 257.626



47, 4.544, 197.558



66, 38.820, 193.901



18, 16.258, 194.280

Inverse Universe

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



75, 24.066, 20.267



79, 32.184, 20.963



82, 20.076, 70.338



45, 4.815, 18.605



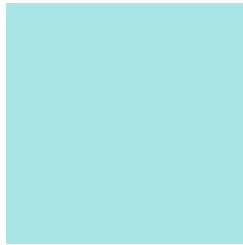
37, 79.250, 39.297



6, 27.049, 21.083

Previews

White Background



This preview shows how the CIE LCh color 87, 20.201, 196.568 looks on a white background.

Color Contrast Check

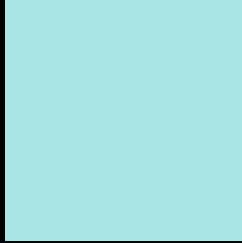
Large Text (above 18pt) WCAG AA × Fail

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, 20.201, 196.568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

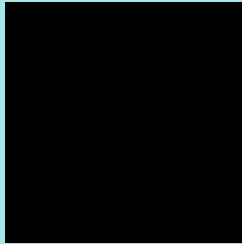
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

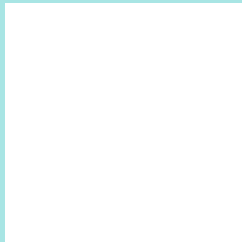
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 20.201, 196.568

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.201, 196.568.

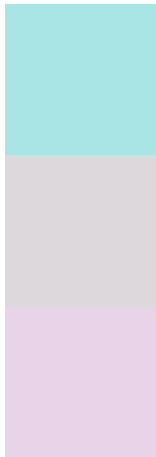


This preview shows how white text looks on a background with the CIELCh color 87, 20.201, 196.568.

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, 20.201, 196.568

Protanopia
87, 2.562, 324.434

Deuteranopia
87, 13.351, 324.918

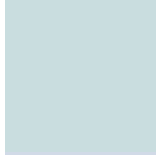


Tritanopia
87, 19.688, 227.163

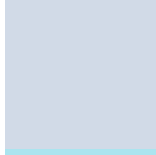
Trichromacy



Original Color
87, 20.201, 196.568



Protanomaly
87, 7.047, 207.576



Deuteranomaly
87, 7.435, 265.905

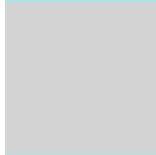


Tritanomaly
87, 19.180, 215.842

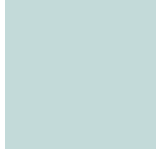
Monochromacy



Original Color
87, 20.201, 196.568



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 8.105, 195.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.201, 196.568 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, 229, 228)` looks like.

```
.text, #text, p{  
    color:rgb(168, 229, 228)  
}
```

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, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 229, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.201, 196.568 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, 229, 228) }
```

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

```
.border{ border-color:rgb(168, 229, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 229, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 229, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 229, 228);  
box-shadow:4px 4px 4px 4px rgb(168, 229,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.201, 196.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 229, 228) }
```

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

```
.background{ background-color: rgb(168,  
229, 228) }
```

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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