

Converting Colors

CIELCh(87, 20.432, 183.083)

Have a look what the booklet for
CIELCh(87, 20.432, 183.083)
contains.

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Color

CIELCh(87, 20.461, 183.129)

Conversions

Conversions Part 1

Format	Color
Hex	ABE5DB
RGB	171, 229, 219
RGB Percent	67%, 90%, 86%
CMY	0.3284, 0.1009, 0.1401
CMYK	0.25, 0.00, 0.04, 0.10
HSL	170°, 53%, 79%
HSV	170°, 25%, 90%
XYZ	57.7692, 70.0064, 77.6723
YIQ	210.5180, -31.3580, -15.4060

Conversions

Conversions Part 2

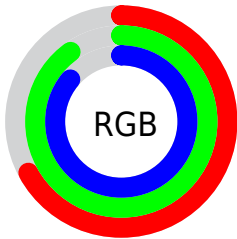
Format	Color
RYB	171, 203, 229
Decimal	11265499
CIELab	87.00, -20.43, -1.12
CIELCh	87, 20.461, 183.129
Yxy	70.0064, 0.2812, 0.3408
Android (android.graphics.Color)	4289455579 (0xFFABE5DB)
YUV	210.5180, 4.1816, -34.6573
Hunter-Lab	83.6698, -23.1782, 3.5289

Details

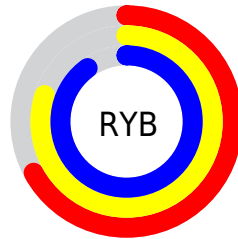
The CIELCh color **87, 20.461, 183.129** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **76, 22.917, 8.038**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.514, 198.874**, and **67, 20.342, 183.468** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.792, 182.140**, and if you desaturate by 10%, it is **88, 12.633, 184.071**.

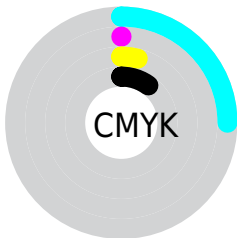
Distribution



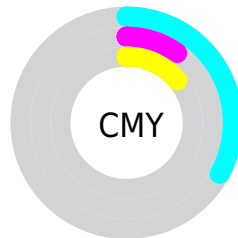
- Red (67%)
- Green (90%)
- Blue (86%)



- Red (67%)
- Yellow (80%)
- Blue (90%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (33%)
- Magenta (10%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 20.461, 183.129 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, 20.461, 183.129 by changing the saturation by 10% instead.


 87, 20.461,
183.129


 87, 20.461,
183.129


 100, 20.461,
183.129


 77, 20.461,
183.129

 67, 20.461,
183.129

 57, 20.461,
183.129

 47, 20.461,
183.129

 37, 20.461,
183.129

 27, 20.461,
183.129

 17, 20.461,

183.129

■ 7, 20.461, 183.129

■ 0, 20.461, 183.129

■ 87, 20.461,
183.129

■ 87, 20.461,
183.129

■ 86, 27.792,
182.140

■ 88, 12.633,
184.071

■ 85, 34.479,
181.096

■ 90, 4.442, 185.042

■ 92, 3.988, 5.624

■ 84, 40.387,
179.973

■ 93, 9.740, 2.199

■ 83, 45.404,
178.751

■ 93, 10.507,
351.569

■ 82, 49.458,

177.406

93, 11.591,
342.677

82, 52.543,
175.917

94, 12.911,
335.481

82, 54.735,
174.270

94, 14.402,
329.726

82, 55.573,
173.467

94, 16.017,
325.121

Harmonies

Complementary

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



87, 20.461, 183.129



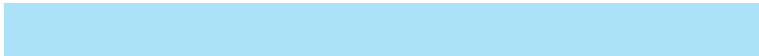
76, 22.917, 8.038

Rectangle

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



87, 20.461, 183.129



87, 20.461, 233.129



87, 20.461, 3.129



87, 20.461, 53.129

Sweetspot

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



87, 20.462, 183.125



98, 7.282, 184.758



87, 34.983, 137.980



52, 5.164, 184.611



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, 20.462, 183.125



95, 26.124, 182.652



82, 16.047, 236.204



47, 4.737, 184.621



65, 45.919, 173.772



18, 18.647, 176.735

Inverse Universe

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



76, 22.917, 8.038



80, 29.969, 8.722



80, 18.546, 51.869



45, 4.933, 6.175



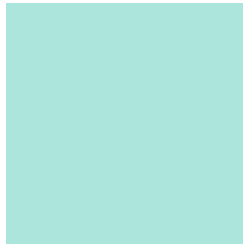
37, 72.315, 31.300



7, 26.696, 14.574

Previews

White Background



This preview shows how the CIELCh color 87, 20.461, 183.129 looks on a white background.

Color Contrast Check

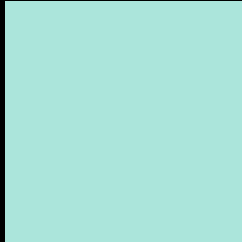
Large Text (above 18pt) WCAG AA × Fail

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, 20.461, 183.129 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

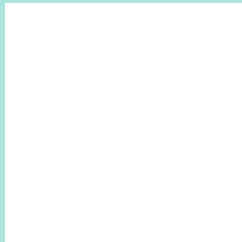
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 20.461, 183.129

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.461, 183.129.

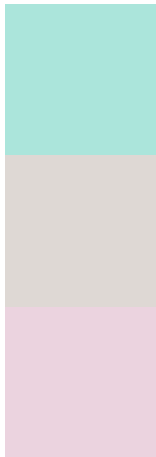


This preview shows how white text looks on a background with the CIELCh color 87, 20.461, 183.129.

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, 20.461, 183.129

Protanopia
87, 3.006, 63.279

Deuteranopia
87, 10.739, 344.470

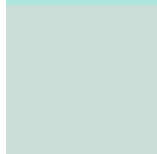


Tritanopia
87, 18.422, 229.437

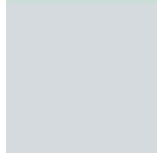
Trichromacy



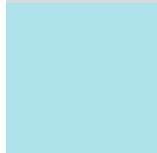
Original Color
87, 20.461, 183.129



Protanomaly
87, 6.865, 171.771



Deuteranomaly
87, 2.964, 244.534



Tritanomaly
87, 17.792, 212.007

Monochromacy



Original Color
87, 20.461, 183.129



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 7.765, 183.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.461, 183.129 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(171, 229, 219)` looks like.

```
.text, #text, p{  
    color:rgb(171, 229, 219)  
}
```

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(171, 229, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 229, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.461, 183.129 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(171, 229, 219) }
```

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

```
.border{ border-color:rgb(171, 229, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 229, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 229, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 229, 219); box-shadow:4px 4px 4px 4px rgb(171, 229, 219) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.461, 183.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 229, 219) }
```

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

```
.background{ background-color: rgb(171,  
229, 219) }
```

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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