

Converting Colors

CIELCh(86, 19.963, 192.486)

Have a look what the booklet for
CIELCh(86, 19.963, 192.486)
contains.

CIELCh(86, 19.799, 193.479)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 19.799, 193.479)

Conversions

Conversions Part 1

Format	Color
Hex	A7E2DF
RGB	167, 226, 223
RGB Percent	65%, 89%, 87%
CMY	0.3448, 0.1134, 0.1252
CMYK	0.26, 0.00, 0.01, 0.11
HSL	177°, 50%, 77%
HSV	177°, 26%, 89%
XYZ	56.4965, 67.9871, 80.0084
YIQ	208.0170, -34.2010, -13.4410

Conversions

Conversions Part 2

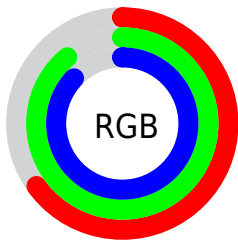
Format	Color
R_{YB}	167, 197, 226
Decimal	11002591
CIE _{Lab}	86.00, -19.25, -4.61
CIE _{LCh}	86, 19.799, 193.479
Yxy	67.9871, 0.2763, 0.3325
Android (android.graphics.Color)	4289192671 (0xFFA7E2DF)
YUV	208.0170, 7.3866, -35.9719
Hunter-Lab	82.4543, -21.9895, 0.1868

Details

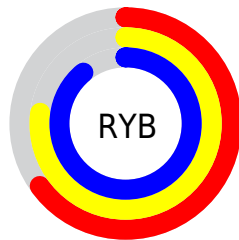
The CIELCh color **86, 19.799, 193.479** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 23.221, 17.537**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.827, 198.783**, and **66, 19.992, 192.932** is the 20% darker color. If you saturate the color by 10%, you get **85, 26.401, 192.829**, and if you desaturate by 10%, it is **87, 12.581, 194.145**.

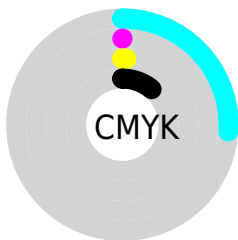
Distribution



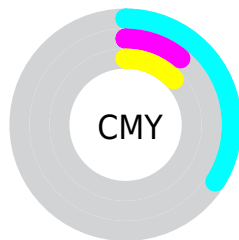
- Red (65%)
- Green (89%)
- Blue (87%)



- Red (65%)
- Yellow (77%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)





- Cyan (34%)
- Magenta (11%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 19.799, 193.479 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 86, 19.799, 193.479 by changing the saturation by 10% instead.


 86, 19.799,
193.479


 86, 19.799,
193.479


 100, 19.799,
193.479


 76, 19.799,
193.479

 66, 19.799,
193.479

 56, 19.799,
193.479

 46, 19.799,
193.479

 36, 19.799,
193.479

 26, 19.799,
193.479

 16, 19.799,

193.479

■ 6, 19.799, 193.479

■ 0, 19.799, 193.479

■ 86, 19.799,
193.479

■ 86, 19.799,
193.479

■ 85, 26.401,
192.829

■ 87, 12.581,
194.145

■ 84, 32.253,
192.201

■ 89, 4.879, 194.887

■ 83, 37.236,
191.585

■ 91, 3.182, 15.255

■ 92, 10.564, 15.641

■ 82, 41.261,
190.973

■ 92, 10.609, 12.457

■ 82, 44.283,

■ 92, 10.686, 9.310

190.356

92, 10.797, 6.218

82, 46.320,
189.720

92, 10.939, 3.199

82, 47.466,
189.051

92, 11.112, 0.266

81, 47.776,
188.785

Harmonies

Complementary

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



86, 19.799, 193.479



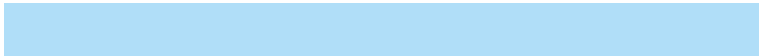
74, 23.221, 17.537

Rectangle

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



86, 19.799, 193.479



86, 19.799, 243.479



86, 19.799, 13.479



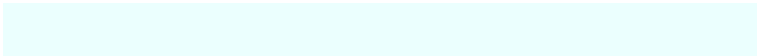
86, 19.799, 63.479

Sweetspot

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



86, 19.800, 193.475



99, 7.027, 194.726



85, 37.029, 141.036



52, 4.978, 194.610



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 19.800, 193.475



95, 25.473, 193.143



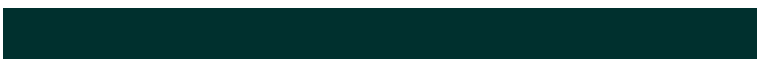
79, 17.239, 251.584



46, 4.483, 194.620



65, 39.582, 188.905



17, 16.134, 190.079

Inverse Universe

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



74, 23.221, 17.537



79, 30.935, 18.200



80, 19.083, 64.965



44, 4.732, 15.815



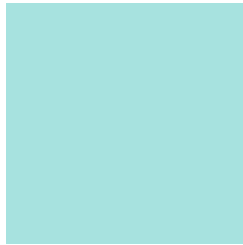
36, 76.961, 37.876



6, 25.426, 18.800

Previews

White Background



This preview shows how the CIE LCh color 86, 19.799, 193.479 looks on a white background.

Color Contrast Check

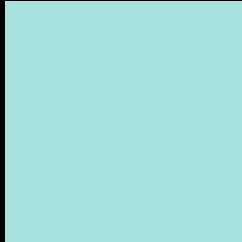
Large Text (above 18pt) WCAG AA × Fail

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 86, 19.799, 193.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

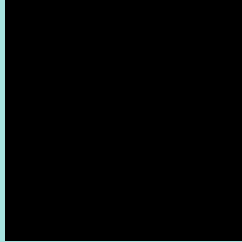
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

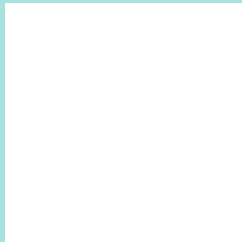
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 19.799, 193.479

Background



This preview shows how black text looks on a background with the CIELCh color 86, 19.799, 193.479.



This preview shows how white text looks on a background with the CIELCh color 86, 19.799, 193.479.

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



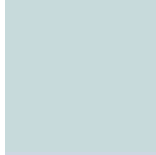


Tritanopia
86, 18.954, 228.529

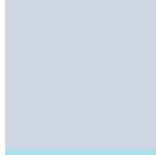
Trichromacy



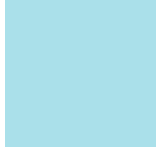
Original Color
86, 19.799, 193.479



Protanomaly
86, 6.687, 203.536



Deuteranomaly
86, 6.523, 261.865

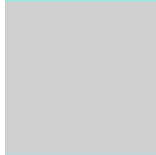


Tritanomaly
86, 18.265, 215.104

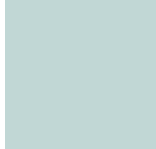
Monochromacy



Original Color
86, 19.799, 193.479



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 7.861, 191.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 19.799, 193.479 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(167, 226, 223)` looks like.

```
.text, #text, p{  
    color:rgb(167, 226, 223)  
}
```

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(167, 226, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 226, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 19.799, 193.479 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(167, 226, 223) }
```

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

```
.border{ border-color:rgb(167, 226, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 226, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 226, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 226, 223);  
box-shadow:4px 4px 4px 4px rgb(167, 226,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 19.799, 193.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 226, 223) }
```

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

```
.background{ background-color: rgb(167,  
226, 223) }
```

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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