

Converting Colors

CIELCh(86, 33.565, 173.216)

Have a look what the booklet for
CIELCh(86, 33.565, 173.216)
contains.

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Color

CIElCh(86, 33.575, 173.091)

Conversions

Conversions Part 1

Format	Color
Hex	8CE8CE
RGB	140, 232, 206
RGB Percent	55%, 91%, 81%
CMY	0.4496, 0.0888, 0.1908
CMYK	0.40, 0.00, 0.11, 0.09
HSL	163°, 67%, 73%
HSV	163°, 40%, 91%
XYZ	51.0089, 67.9871, 69.0424
YIQ	201.5280, -46.4860, -27.5900

Conversions

Conversions Part 2

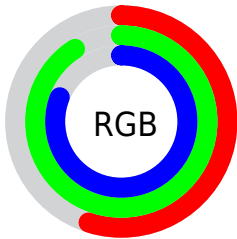
Format	Color
RYB	140, 194, 232
Decimal	9234638
CIELab	86.00, -33.33, 4.04
CIELCh	86, 33.575, 173.091
Yxy	67.9871, 0.2713, 0.3616
Android (android.graphics.Color)	4287424718 (0xFF8CE8CE)
YUV	201.5280, 2.2047, -53.9601
Hunter-Lab	82.4543, -33.8692, 8.0720

Details

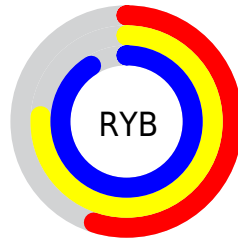
The CIELCh color **86, 33.575, 173.091** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69, 38.144, 2.032**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.012, 198.250**, and **66, 33.565, 173.216** is the 20% darker color. If you saturate the color by 10%, you get **85, 40.880, 171.816**, and if you desaturate by 10%, it is **87, 25.651, 174.251**.

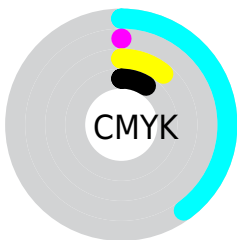
Distribution



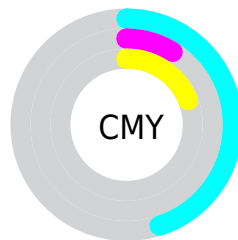
- Red (55%)
- Green (91%)
- Blue (81%)



- Red (55%)
- Yellow (76%)
- Blue (91%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)





- Cyan (45%)
- Magenta (9%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 33.575, 173.091 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, 33.575, 173.091 by changing the saturation by 10% instead.


 86, 33.575,
173.091


 86, 33.575,
173.091


 100, 33.575,
173.091


 76, 33.575,
173.091

 66, 33.575,
173.091

 56, 33.575,
173.091

 46, 33.575,
173.091

 36, 33.575,
173.091

 26, 33.575,
173.091

 16, 33.575,

173.091

■ 6, 33.575, 173.091

■ 0, 33.575, 173.091

■ 86, 33.575,
173.091

■ 86, 33.575,
173.091

■ 85, 40.880,
171.816

■ 87, 25.651,
174.251

■ 84, 47.421,
170.406

■ 89, 17.258,
175.325

■ 83, 53.085,
168.833

■ 90, 8.543, 176.343

■ 83, 57.808,
167.076

■ 92, 0.364, 355.718

■ 94, 8.847, 356.631

■ 82, 61.603,

165.119

94, 10.612,
339.662

82, 64.638,
163.000

94, 13.039,
328.329

82, 64.755,
162.917

94, 14.143,
324.911

Harmonies

Complementary

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



86, 33.575, 173.091



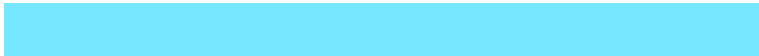
69, 38.144, 2.032

Rectangle

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



86, 33.575, 173.091



86, 33.575, 223.091



86, 33.575, 353.091



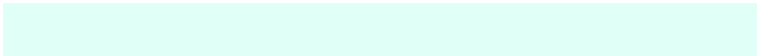
86, 33.575, 43.091

Sweetspot

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



86, 33.576, 173.089



98, 11.491, 176.094



86, 53.401, 134.247



52, 7.612, 175.961



0, 0.000, 0.000



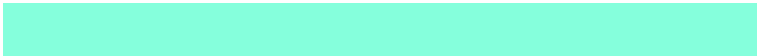
53, 0.007, 296.813

Same Dimension

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



86, 33.576, 173.089



92, 42.842, 171.996



81, 24.312, 224.062



48, 5.096, 176.356



65, 53.413, 163.292



19, 21.698, 166.890

Inverse Universe

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



69, 38.144, 2.032



70, 50.067, 3.656



72, 32.301, 41.015



46, 5.246, 358.016



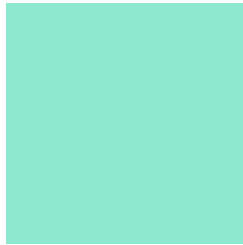
38, 68.357, 22.564



7, 27.804, 10.345

Previews

White Background



This preview shows how the CIE LCh color 86, 33.575, 173.091 looks on a white background.

Color Contrast Check

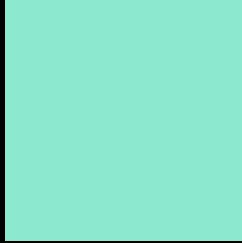
Large Text (above 18pt) WCAG AA × Fail

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, 33.575, 173.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

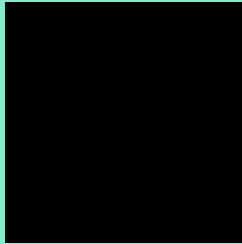
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

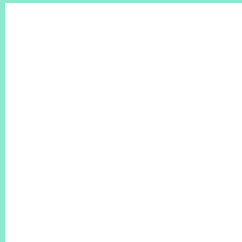
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 33.575, 173.091

Background



This preview shows how black text looks on a background with the CIELCh color 86, 33.575, 173.091.

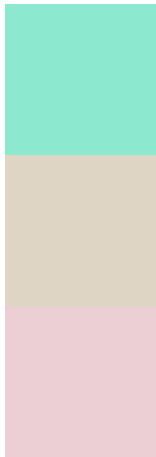


This preview shows how white text looks on a background with the CIELCh color 86, 33.575, 173.091.

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
86, 33.575, 173.091

Protanopia
86, 9.499, 88.589

Deuteranopia
86, 10.643, 5.974

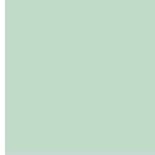


Tritanopia
86, 25.179, 220.189

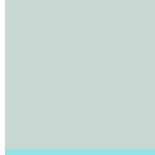
Trichromacy



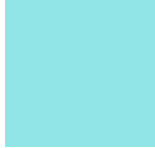
Original Color
86, 33.575, 173.091



Protanomaly
85, 14.678, 152.833



Deuteranomaly
85, 6.273, 168.874

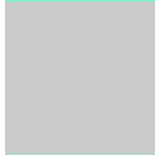


Tritanomaly
86, 26.214, 199.992

Monochromacy



Original Color
86, 33.575, 173.091



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 12.700, 176.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 33.575, 173.091 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(140, 232, 206)` looks like.

```
.text, #text, p{  
    color:rgb(140, 232, 206)  
}
```

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(140, 232, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 232, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 33.575, 173.091 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(140, 232, 206) }
```

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

```
.border{ border-color:rgb(140, 232, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 232, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 232, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 232, 206);  
box-shadow:4px 4px 4px 4px rgb(140, 232,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 33.575, 173.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 232, 206) }
```

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

```
.background{ background-color: rgb(140,  
232, 206) }
```

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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