

Converting Colors

CIELCh(86, 33.233, 179.174)

Have a look what the booklet for
CIELCh(86, 33.233, 179.174)
contains.

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Color

CIElCh(86, 33.517, 178.823)

Conversions

Conversions Part 1

Format	Color
Hex	87E9D5
RGB	135, 233, 213
RGB Percent	53%, 91%, 84%
CMY	0.4719, 0.0876, 0.1660
CMYK	0.42, 0.00, 0.09, 0.09
HSL	168°, 69%, 72%
HSV	168°, 42%, 91%
XYZ	50.9416, 67.9871, 73.1604
YIQ	201.4180, -51.9880, -26.9960

Conversions

Conversions Part 2

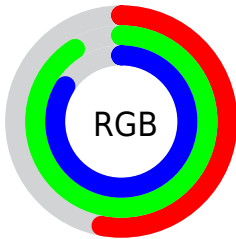
Format	Color
RYB	135, 190, 233
Decimal	8907221
CIELab	86.00, -33.51, 0.69
CIELCh	86, 33.517, 178.823
Yxy	67.9871, 0.2652, 0.3539
Android (android.graphics.Color)	4287097301 (0xFF87E9D5)
YUV	201.4180, 5.7099, -58.2486
Hunter-Lab	82.4543, -34.0148, 5.1109

Details

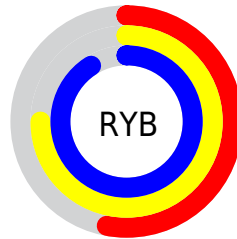
The CIELCh color **86, 33.517, 178.823** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67, 40.105, 8.336**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **66, 33.647, 178.321** is the 20% darker color. If you saturate the color by 10%, you get **85, 39.999, 177.646**, and if you desaturate by 10%, it is **87, 26.316, 179.909**.

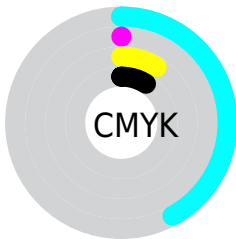
Distribution



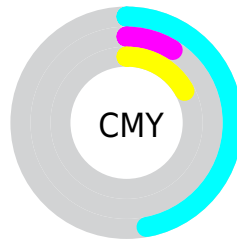
- Red (53%)
- Green (91%)
- Blue (84%)



- Red (53%)
- Yellow (75%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)





- Cyan (47%)
- Magenta (9%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 33.517, 178.823 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, 33.517, 178.823 by changing the saturation by 10% instead.


 86, 33.517,
178.823


 86, 33.517,
178.823


 100, 33.517,
178.823


 76, 33.517,
178.823


 66, 33.517,
178.823

 56, 33.517,
178.823

 46, 33.517,
178.823

 36, 33.517,
178.823

 26, 33.517,
178.823

 16, 33.517,

178.823

■ 6, 33.517, 178.823

■ 0, 33.517, 178.823

■ 86, 33.517,
178.823

■ 86, 33.517,
178.823

■ 85, 39.999,
177.646

■ 87, 26.316,
179.909

■ 84, 45.631,
176.360

■ 89, 18.538,
180.928

■ 84, 50.322,
174.940

■ 90, 10.329,
181.905

■ 83, 54.039,
173.363

■ 92, 1.826, 183.068

■ 83, 56.826,

■ 94, 6.855, 3.538

171.612

94, 9.109, 351.432

83, 58.527,
170.140

94, 10.474,
339.633

94, 12.184,
330.889

95, 13.955,
324.904

Harmonies

Complementary

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



86, 33.517, 178.823



67, 40.105, 8.336

Rectangle

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



86, 33.517, 178.823



86, 33.517, 228.823



86, 33.517, 358.823



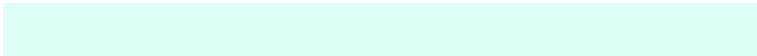
86, 33.517, 48.823

Sweetspot

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



86, 33.518, 178.821



98, 11.917, 181.814



85, 57.920, 135.970



52, 8.311, 181.598



0, 0.000, 0.000



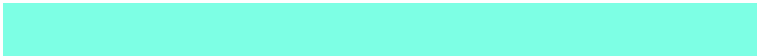
53, 0.007, 296.813

Same Dimension

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



86, 33.518, 178.821



92, 42.305, 177.752



79, 25.488, 234.072



48, 4.891, 182.165



66, 48.304, 170.470



19, 19.919, 173.568

Inverse Universe

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



67, 40.105, 8.336



68, 52.770, 10.253



73, 33.688, 47.586



46, 5.076, 3.771



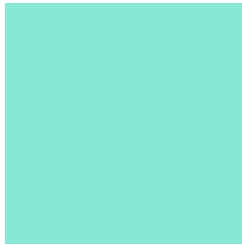
38, 71.619, 29.062



7, 27.900, 14.266

Previews

White Background



This preview shows how the CIE LCh color 86, 33.517, 178.823 looks on a white background.

Color Contrast Check

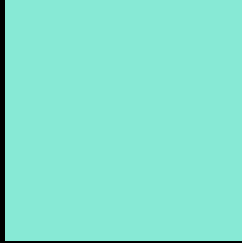
Large Text (above 18pt) WCAG AA × Fail

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, 33.517, 178.823 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

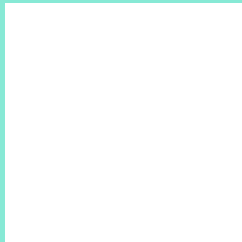
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 33.517, 178.823

Background



This preview shows how black text looks on a background with the CIELCh color 86, 33.517, 178.823.

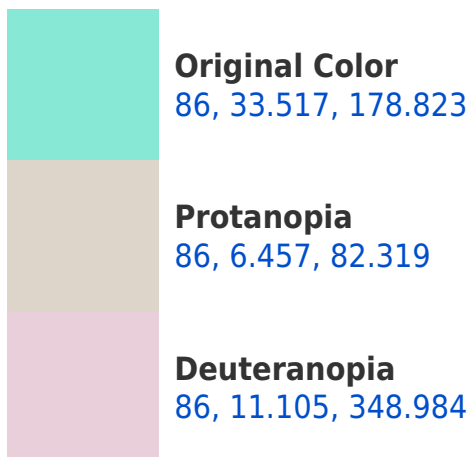



This preview shows how white text looks on a background with the CIELCh color 86, 33.517, 178.823.

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, 26.844, 218.638

Trichromacy



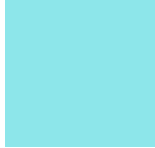
Original Color
86, 33.517, 178.823



Protanomaly
85, 13.086, 164.326



Deuteranomaly
85, 6.701, 199.012

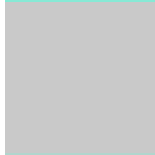


Tritanomaly
86, 27.666, 201.993

Monochromacy



Original Color
86, 33.517, 178.823



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 13.439, 180.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 33.517, 178.823 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(135, 233, 213)` looks like.

```
.text, #text, p{  
    color:rgb(135, 233, 213)  
}
```

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(135, 233, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 233, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 33.517, 178.823 is called "border". The border property can be set on classes, ids or directly on the HTML element.

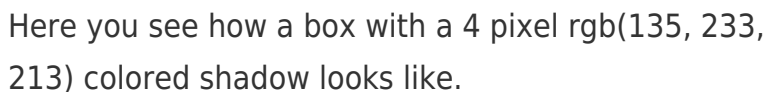
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 233, 213) }
```

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

```
.border{ border-color:rgb(135, 233, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 233, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 233, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 233, 213); box-shadow:4px 4px 4px 4px rgb(135, 233, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 33.517, 178.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 233, 213) }
```

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

```
.background{ background-color: rgb(135,  
233, 213) }
```

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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