

Converting Colors

CIELCh(86, 36.824, 171.427)

Have a look what the booklet for
CIELCh(86, 36.824, 171.427)
contains.

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Color

CIELCh(86, 36.877, 171.619)

Conversions

Conversions Part 1

Format	Color
Hex	85EACC
RGB	133, 234, 204
RGB Percent	52%, 92%, 80%
CMY	0.4796, 0.0835, 0.2011
CMYK	0.43, 0.00, 0.13, 0.08
HSL	162°, 70%, 72%
HSV	162°, 43%, 92%
XYZ	49.8310, 67.9871, 67.4442
YIQ	200.3810, -50.5660, -30.7420

Conversions

Conversions Part 2

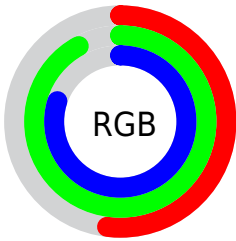
Format	Color
RYB	133, 192, 234
Decimal	8776396
CIELab	86.00, -36.48, 5.38
CIELCh	86, 36.877, 171.619
Yxy	67.9871, 0.2690, 0.3670
Android (android.graphics.Color)	4286966476 (0xFF85EACC)
YUV	200.3810, 1.7842, -59.0931
Hunter-Lab	82.4543, -36.4191, 9.2213

Details

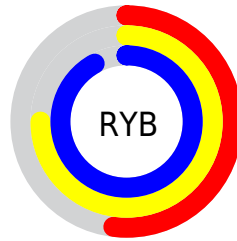
The CIELCh color **86, 36.877, 171.619** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67, 42.086, 1.639**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.100, 198.118**, and **66, 36.903, 171.497** is the 20% darker color. If you saturate the color by 10%, you get **85, 44.079, 170.281**, and if you desaturate by 10%, it is **87, 29.009, 172.829**.

Distribution



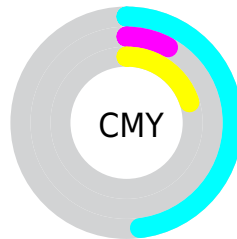
- Red (52%)
- Green (92%)
- Blue (80%)



- Red (52%)
- Yellow (75%)
- Blue (92%)



- Cyan (43%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)





- Cyan (48%)
- Magenta (8%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 36.877, 171.619 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, 36.877, 171.619 by changing the saturation by 10% instead.


 86, 36.877,
171.619


 86, 36.877,
171.619


 100, 36.877,
171.619


 76, 36.877,
171.619

 66, 36.877,
171.619

 56, 36.877,
171.619

 46, 36.877,
171.619

 36, 36.877,
171.619


 26, 36.877,
171.619


 16, 36.877,


171.619


 6, 36.877, 171.619

 0, 36.877, 171.619


 86, 36.877,
171.619


 86, 36.877,
171.619


 85, 44.079,
170.281


 87, 29.009,
172.829

 84, 50.476,
168.794

 89, 20.626,
173.939

 84, 55.966,
167.131

 90, 11.879,
174.976

 83, 60.510,
165.273

 92, 2.907, 176.062

 83, 64.151,

 94, 6.172, 356.678

163.212

95, 9.666, 341.816

83, 66.248,
161.743

95, 12.180,
328.567

95, 13.291,
324.880

Harmonies

Complementary

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



86, 36.877, 171.619



67, 42.086, 1.639

Rectangle

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



86, 36.877, 171.619



86, 36.877, 221.619



86, 36.877, 351.619



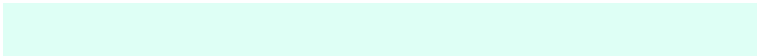
86, 36.877, 41.619

Sweetspot

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



86, 36.878, 171.618



97, 12.543, 174.991



86, 58.091, 133.549



52, 8.758, 174.766



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, 36.878, 171.618



92, 46.375, 170.417



81, 26.366, 222.105



48, 5.138, 175.356



65, 54.384, 162.132



19, 22.038, 165.793

Inverse Universe

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



67, 42.086, 1.639



68, 54.354, 3.456



71, 36.298, 39.557



46, 5.282, 357.016



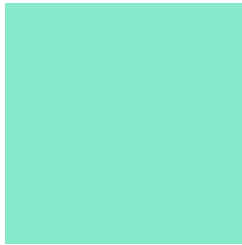
38, 67.871, 21.293



7, 27.799, 9.540

Previews

White Background



This preview shows how the CIELCh color 86, 36.877, 171.619 looks on a white background.

Color Contrast Check

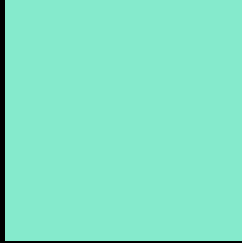
Large Text (above 18pt) WCAG AA × Fail

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, 36.877, 171.619 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

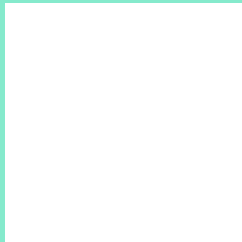
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 36.877, 171.619

Background



This preview shows how black text looks on a background with the CIELCh color 86, 36.877, 171.619.

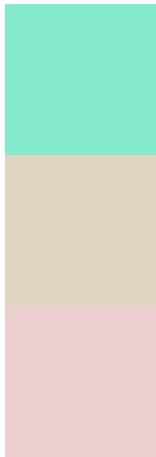


This preview shows how white text looks on a background with the CIELCh color 86, 36.877, 171.619.

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, 36.877, 171.619

Protanopia
86, 11.110, 89.418

Deuteranopia
86, 10.794, 14.631



Tritanopia
86, 26.844, 218.638

Trichromacy



Original Color
86, 36.877, 171.619



Protanomaly
85, 16.980, 150.503



Deuteranomaly
85, 8.676, 161.594

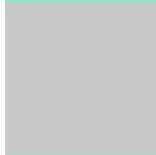


Tritanomaly
86, 28.097, 198.633

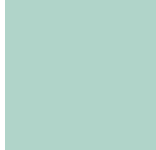
Monochromacy



Original Color
86, 36.877, 171.619



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 14.127, 174.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 36.877, 171.619 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(133, 234, 204)` looks like.

```
.text, #text, p{  
    color:rgb(133, 234, 204)  
}
```

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(133, 234, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 234, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 36.877, 171.619 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(133, 234, 204) }
```

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

```
.border{ border-color:rgb(133, 234, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 234, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 234, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 234, 204);  
box-shadow:4px 4px 4px 4px rgb(133, 234,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 36.877, 171.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 234, 204) }
```

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

```
.background{ background-color: rgb(133,  
234, 204) }
```

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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