

Converting Colors

CIELCh(85, 37.592, 169.770)

Have a look what the booklet for
CIELCh(85, 37.592, 169.770)
contains.

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Color

CIELCh(85, 37.806, 169.488)

Conversions

Conversions Part 1

Format	Color
Hex	82E7C6
RGB	130, 231, 198
RGB Percent	51%, 91%, 78%
CMY	0.4900, 0.0939, 0.2233
CMYK	0.44, 0.00, 0.14, 0.09
HSL	160°, 68%, 71%
HSV	160°, 44%, 91%
XYZ	48.0004, 66.0070, 63.6641
YIQ	197.0390, -49.6030, -31.6750

Conversions

Conversions Part 2

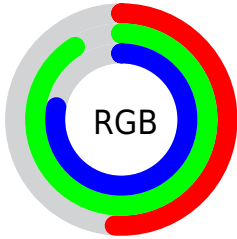
Format	Color
RYB	130, 190, 231
Decimal	8579014
CIELab	85.00, -37.17, 6.90
CIELCh	85, 37.806, 169.488
Yxy	66.0070, 0.2702, 0.3715
Android (android.graphics.Color)	4286769094 (0xFF82E7C6)
YUV	197.0390, 0.4738, -58.7932
Hunter-Lab	81.2447, -36.7182, 10.4111

Details

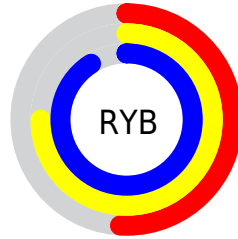
The CIELCh color **85, 37.806, 169.488** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66, 42.558, 359.579**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **65, 37.873, 169.206** is the 20% darker color. If you saturate the color by 10%, you get **84, 45.173, 168.118**, and if you desaturate by 10%, it is **86, 29.793, 170.721**.

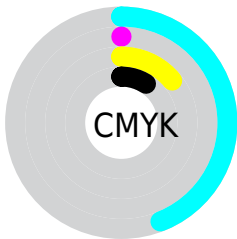
Distribution



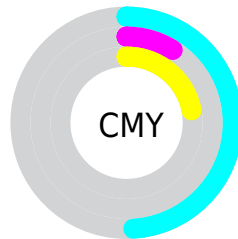
- Red (51%)
- Green (91%)
- Blue (78%)



- Red (51%)
- Yellow (75%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)



- Cyan (49%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 37.806, 169.488 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 85, 37.806, 169.488 by changing the saturation by 10% instead.

 85, 37.806,
169.488

 85, 37.806,
169.488

 100, 37.806,
169.488

 75, 37.806,
169.488

 65, 37.806,
169.488

 55, 37.806,
169.488

 45, 37.806,
169.488

 35, 37.806,
169.488


 25, 37.806,
169.488


 15, 37.806,


169.488


 5, 37.806, 169.488


 0, 37.806, 169.488

 85, 37.806,
169.488


 85, 37.806,
169.488

 84, 45.173,
168.118


 86, 29.793,
170.721

 83, 51.752,
166.590

 88, 21.286,
171.846

 83, 57.442,
164.877

 89, 12.437,
172.888

 82, 62.202,
162.960

 91, 3.384, 173.949

 82, 66.074,

 93, 5.756, 354.588

160.838

94, 10.637,
343.673

82, 68.186,
159.448

94, 13.288,
330.095

94, 14.960,
324.940

Harmonies

Complementary

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



85, 37.806, 169.488



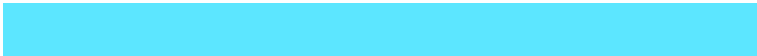
66, 42.558, 359.579

Rectangle

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



85, 37.806, 169.488



85, 37.806, 219.488



85, 37.806, 349.488



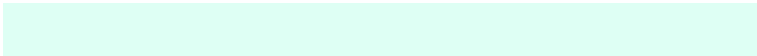
85, 37.806, 39.488

Sweetspot

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



85, 37.807, 169.487



97, 12.778, 172.953



85, 57.614, 132.526



52, 8.925, 172.728



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 37.807, 169.487



92, 47.583, 168.324



81, 26.761, 217.468



47, 5.137, 173.320



64, 55.833, 159.855



18, 21.995, 163.841

Inverse Universe

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



66, 42.558, 359.579



68, 54.716, 1.253



69, 37.222, 36.606



45, 5.267, 354.970



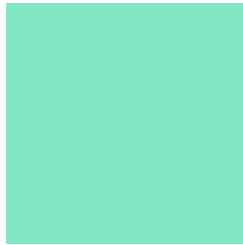
38, 66.259, 18.502



7, 26.693, 6.964

Previews

White Background



This preview shows how the CIE LCh color 85, 37.806, 169.488 looks on a white background.

Color Contrast Check

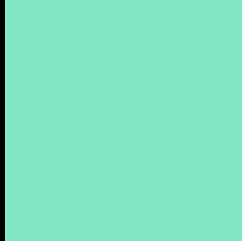
Large Text (above 18pt) WCAG AA × Fail

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 85, 37.806, 169.488 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

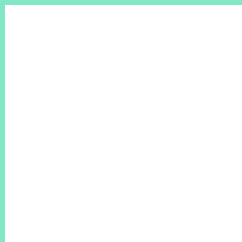
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 37.806, 169.488

Background



This preview shows how black text looks on a background with the CIELCh color 85, 37.806, 169.488.

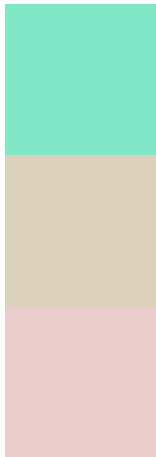


This preview shows how white text looks on a background with the CIELCh color 85, 37.806, 169.488.

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
85, 37.806, 169.488

Protanopia
84, 12.638, 91.602

Deuteranopia
85, 11.194, 20.207

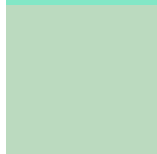


Tritanopia
85, 26.610, 218.886

Trichromacy



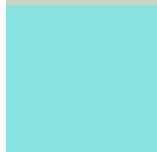
Original Color
85, 37.806, 169.488



Protanomaly
84, 18.259, 147.267



Deuteranomaly
84, 9.137, 155.101



Tritanomaly
85, 27.926, 197.540

Monochromacy



Original Color
85, 37.806, 169.488



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 14.419, 172.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 37.806, 169.488 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(130, 231, 198)` looks like.

```
.text, #text, p{  
    color:rgb(130, 231, 198)  
}
```

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(130, 231, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 231, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 37.806, 169.488 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(130, 231, 198) }
```

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

```
.border{ border-color:rgb(130, 231, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 231, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 231, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 231, 198);  
box-shadow:4px 4px 4px 4px rgb(130, 231,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 37.806, 169.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 231, 198) }
```

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

```
.background{ background-color: rgb(130,  
231, 198) }
```

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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