

Converting Colors

CIELCh(85, 42.665, 161.624)

Have a look what the booklet for
CIELCh(85, 42.665, 161.624)
contains.

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Color

CIELCh(85, 42.501, 161.980)

Conversions

Conversions Part 1

Format	Color
Hex	81E8BA
RGB	129, 232, 186
RGB Percent	51%, 91%, 73%
CMY	0.4936, 0.0897, 0.2701
CMYK	0.44, 0.00, 0.20, 0.09
HSL	153°, 69%, 71%
HSV	153°, 44%, 91%
XYZ	46.8365, 66.0070, 56.7896
YIQ	195.9590, -46.6220, -36.1420

Conversions

Conversions Part 2

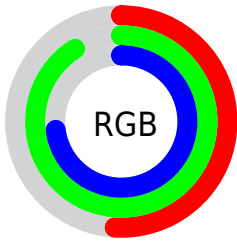
Format	Color
RYB	129, 195, 232
Decimal	8513722
CIELab	85.00, -40.42, 13.15
CIElCh	85, 42.501, 161.980
Yxy	66.0070, 0.2761, 0.3891
Android (android.graphics.Color)	4286703802 (0xFF81E8BA)
YUV	195.9590, -4.9098, -58.7230
Hunter-Lab	81.2447, -39.2754, 15.4279

Details

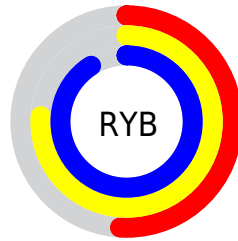
The CIELCh color **85, 42.501, 161.980** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67, 45.517, 351.558**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.952, 181.656**, and **65, 42.503, 161.919** is the 20% darker color. If you saturate the color by 10%, you get **84, 50.965, 160.564**, and if you desaturate by 10%, it is **86, 33.442, 163.235**.

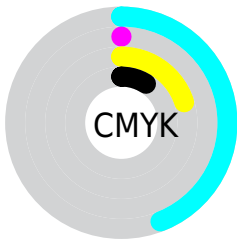
Distribution



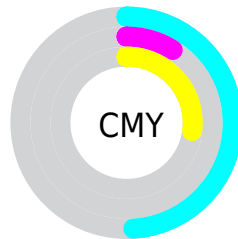
- Red (51%)
- Green (91%)
- Blue (73%)



- Red (51%)
- Yellow (76%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)




- Cyan (49%)
- Magenta (9%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 42.501, 161.980 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, 42.501, 161.980 by changing the saturation by 10% instead.


 85, 42.501,
161.980


 85, 42.501,
161.980


 100, 42.501,
161.980


 75, 42.501,
161.980

 65, 42.501,
161.980

 55, 42.501,
161.980

 45, 42.501,
161.980

 35, 42.501,
161.980

 25, 42.501,
161.980

 15, 42.501,

161.980

■ 5, 42.501, 161.980

■ 0, 42.501, 161.980

■ 85, 42.501,
161.980

■ 85, 42.501,
161.980

■ 84, 50.965,
160.564

■ 86, 33.442,
163.235

■ 83, 58.673,
158.964

■ 88, 23.954,
164.359

■ 82, 65.504,
157.158

■ 89, 14.199,
165.377

■ 82, 71.398,
155.135

■ 91, 4.322, 166.364

■ 82, 76.386,

■ 93, 5.561, 347.001

152.909

94, 11.645,
334.535

81, 78.906,
151.623

94, 14.286,
324.916

Harmonies

Complementary

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



85, 42.501, 161.980



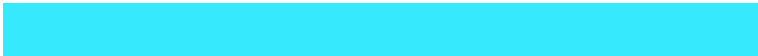
67, 45.517, 351.558

Rectangle

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



85, 42.501, 161.980



85, 42.501, 211.980



85, 42.501, 341.980



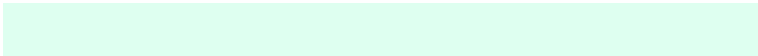
85, 42.501, 31.980

Sweetspot

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



85, 42.502, 161.979



97, 13.863, 165.504



86, 56.713, 128.729



52, 9.695, 165.288



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, 42.502, 161.979



91, 53.756, 160.728



85, 29.784, 202.730



48, 5.665, 165.851



65, 64.996, 152.026



19, 25.827, 156.008

Inverse Universe

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



67, 45.517, 351.558



68, 58.057, 353.033



66, 41.494, 27.468



46, 5.756, 347.414



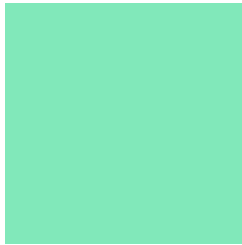
39, 65.283, 7.055



8, 28.189, 359.362

Previews

White Background



This preview shows how the CIE LCh color 85, 42.501, 161.980 looks on a white background.

Color Contrast Check

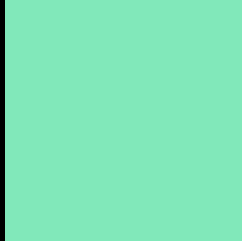
Large Text (above 18pt) WCAG AA × Fail

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, 42.501, 161.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

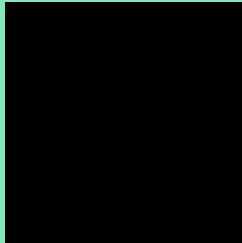
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 42.501, 161.980

Background



This preview shows how black text looks on a background with the CIELCh color 85, 42.501, 161.980.

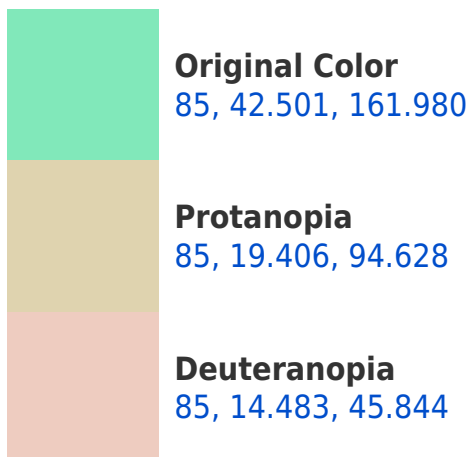


This preview shows how white text looks on a background with the CIELCh color 85, 42.501, 161.980.

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
85, 26.140, 219.324

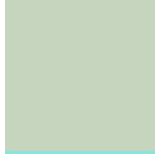
Trichromacy



Original Color
85, 42.501, 161.980



Protanomaly
84, 23.815, 136.446



Deuteranomaly
84, 13.976, 134.202

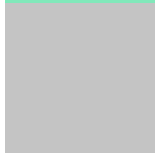


Tritanomaly
85, 28.459, 192.132

Monochromacy



Original Color
85, 42.501, 161.980



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 16.192, 164.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 42.501, 161.980 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(129, 232, 186)` looks like.

```
.text, #text, p{  
    color:rgb(129, 232, 186)  
}
```

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(129, 232, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 232, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 42.501, 161.980 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(129, 232, 186) }
```

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

```
.border{ border-color:rgb(129, 232, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 232, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 232, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 232, 186);  
box-shadow:4px 4px 4px 4px rgb(129, 232,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 42.501, 161.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 232, 186) }
```

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

```
.background{ background-color: rgb(129,  
232, 186) }
```

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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