

Converting Colors

CIELCh(85, 32.722, 181.909)

Have a look what the booklet for
CIELCh(85, 32.722, 181.909)
contains.

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Color

CIELCh(85, 33.099, 181.402)

Conversions

Conversions Part 1

Format	Color
Hex	83E6D5
RGB	131, 230, 213
RGB Percent	51%, 90%, 84%
CMY	0.4875, 0.0993, 0.1659
CMYK	0.43, 0.00, 0.07, 0.10
HSL	170°, 66%, 71%
HSV	170°, 43%, 90%
XYZ	49.4920, 66.0070, 72.8778
YIQ	198.4610, -53.5470, -26.2750

Conversions

Conversions Part 2

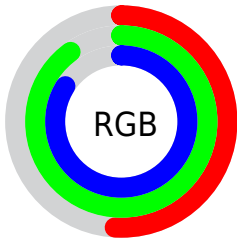
Format	Color
RYB	131, 185, 230
Decimal	8644309
CIELab	85.00, -33.09, -0.81
CIELCh	85, 33.099, 181.402
Yxy	66.0070, 0.2627, 0.3504
Android (android.graphics.Color)	4286834389 (0xFF83E6D5)
YUV	198.4610, 7.1677, -59.1633
Hunter-Lab	81.2447, -33.4410, 3.6872

Details

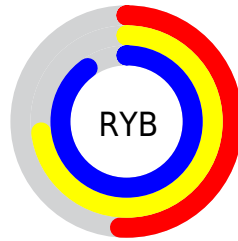
The CIELCh color **85, 33.099, 181.402** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 40.571, 10.970**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.687, 198.082**, and **65, 33.247, 181.035** is the 20% darker color. If you saturate the color by 10%, you get **84, 39.192, 180.298**, and if you desaturate by 10%, it is **86, 26.254, 182.428**.

Distribution



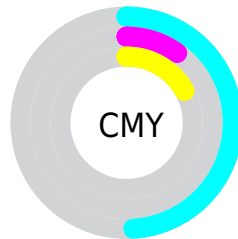
- Red (51%)
- Green (90%)
- Blue (84%)



- Red (51%)
- Yellow (73%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 33.099, 181.402 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, 33.099, 181.402 by changing the saturation by 10% instead.


 85, 33.099,
181.402


 85, 33.099,
181.402


 100, 33.099,
181.402


 75, 33.099,
181.402

 65, 33.099,
181.402

 55, 33.099,
181.402

 45, 33.099,
181.402

 35, 33.099,
181.402

 25, 33.099,
181.402

 15, 33.099,

181.402

■ 5, 33.099, 181.402

■ 0, 33.099, 181.402

■ 85, 33.099,
181.402

■ 85, 33.099,
181.402

■ 84, 39.192,
180.298

■ 86, 26.254,
182.428

■ 83, 44.413,
179.103

■ 87, 18.797,
183.401

■ 83, 48.681,
177.790

■ 89, 10.869,
184.341

■ 82, 51.973,
176.338

■ 91, 2.607, 185.388

■ 82, 54.345,

■ 92, 5.871, 5.916

174.730

93, 9.731, 359.457

82, 55.592,
173.554

93, 10.583,
349.109

94, 11.733,
340.569

94, 13.103,
333.711

Harmonies

Complementary

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



85, 33.099, 181.402



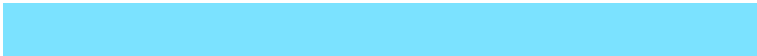
66, 40.571, 10.970

Rectangle

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



85, 33.099, 181.402



85, 33.099, 231.402



85, 33.099, 1.402



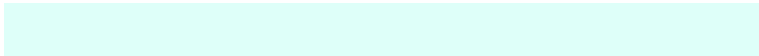
85, 33.099, 51.402

Sweetspot

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



85, 33.100, 181.400



98, 11.740, 184.343



84, 59.204, 136.789



52, 8.184, 184.136



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, 33.100, 181.400



92, 41.921, 180.390



77, 25.936, 239.120



47, 4.736, 184.685



65, 45.873, 173.860



18, 18.632, 176.814

Inverse Universe

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



66, 40.571, 10.970



68, 53.871, 12.962



72, 33.876, 50.948



45, 4.932, 6.238



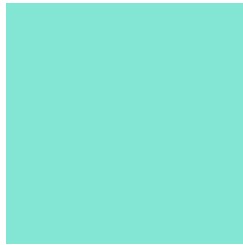
37, 72.354, 31.357



7, 26.697, 14.608

Previews

White Background



This preview shows how the CIE LCh color 85, 33.099, 181.402 looks on a white background.

Color Contrast Check

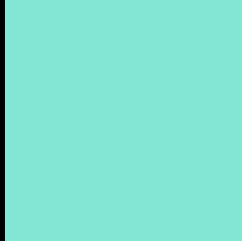
Large Text (above 18pt) WCAG AA × Fail

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, 33.099, 181.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

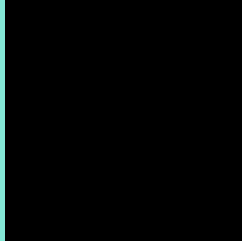
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

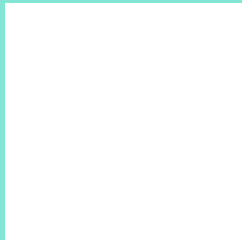
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 33.099, 181.402

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.099, 181.402.

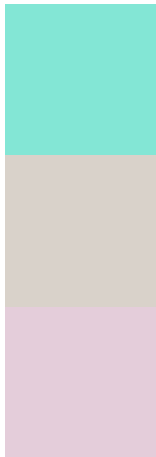


This preview shows how white text looks on a background with the CIELCh color 85, 33.099, 181.402.

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, 33.099, 181.402

Protanopia
85, 4.912, 78.009

Deuteranopia
85, 10.818, 341.054



Tritanopia
85, 27.309, 218.285

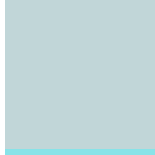
Trichromacy



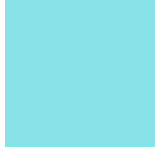
Original Color
85, 33.099, 181.402



Protanomaly
84, 12.535, 170.985



Deuteranomaly
84, 7.422, 207.149

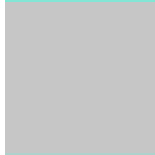


Tritanomaly
85, 28.128, 202.980

Monochromacy



Original Color
85, 33.099, 181.402



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 13.277, 182.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 33.099, 181.402 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(131, 230, 213)` looks like.

```
.text, #text, p{  
    color:rgb(131, 230, 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(131, 230, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 230, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 33.099, 181.402 is called "border". The border property can be set on classes, ids or directly on the HTML element.

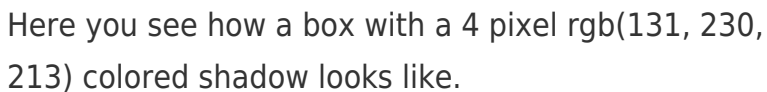
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 230, 213) }
```

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

```
.border{ border-color:rgb(131, 230, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(131, 230, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 230, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 230, 213); box-shadow:4px 4px 4px 4px rgb(131, 230, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.099, 181.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 230, 213) }
```

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

```
.background{ background-color: rgb(131,  
230, 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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