

Converting Colors

CIELCh(85, 40.109, 169.744)

Have a look what the booklet for
CIELCh(85, 40.109, 169.744)
contains.

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Color

CIELCh(85, 39.932, 170.077)

Conversions

Conversions Part 1

Format	Color
Hex	7BE8C6
RGB	123, 232, 198
RGB Percent	48%, 91%, 78%
CMY	0.5176, 0.0901, 0.2235
CMYK	0.47, 0.00, 0.15, 0.09
HSL	161°, 70%, 70%
HSV	161°, 47%, 91%
XYZ	47.2223, 66.0070, 63.6825
YIQ	195.5330, -54.0500, -33.6820

Conversions

Conversions Part 2

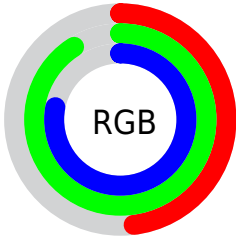
Format	Color
RYB	123, 188, 232
Decimal	8120518
CIELab	85.00, -39.33, 6.88
CIElCh	85, 39.932, 170.077
Yxy	66.0070, 0.2669, 0.3731
Android (android.graphics.Color)	4286310598 (0xFF7BE8C6)
YUV	195.5330, 1.2162, -63.6114
Hunter-Lab	81.2447, -38.4276, 10.3976

Details

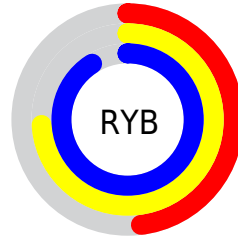
The CIELCh color **85, 39.932, 170.077** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65, 45.704, 1.256**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.704, 197.956**, and **65, 40.217, 169.846** is the 20% darker color. If you saturate the color by 10%, you get **84, 46.943, 168.671**, and if you desaturate by 10%, it is **86, 32.215, 171.342**.

Distribution



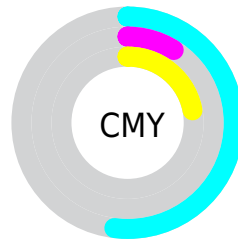
- Red (48%)
- Green (91%)
- Blue (78%)



- Red (48%)
- Yellow (74%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (52%)
- Magenta (9%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 39.932, 170.077 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, 39.932, 170.077 by changing the saturation by 10% instead.


 85, 39.932,
170.077


 85, 39.932,
170.077


 100, 39.932,
170.077


 75, 39.932,
170.077

 65, 39.932,
170.077

 55, 39.932,
170.077

 45, 39.932,
170.077

 35, 39.932,
170.077

 25, 39.932,
170.077

 15, 39.932,

170.077

■ 5, 39.932, 170.077

■ 0, 39.932, 170.077

■ 85, 39.932,
170.077

■ 85, 39.932,
170.077

■ 84, 46.943,
168.671

■ 86, 32.215,
171.342

■ 83, 53.117,
167.101

■ 87, 23.940,
172.495

■ 83, 58.373,
165.343

■ 89, 15.261,
173.558

■ 82, 62.697,
163.382


■ 91, 6.322, 174.580


■ 82, 66.174,


■ 93, 2.753, 355.211

161.225

 94, 9.545, 349.575

 82, 67.141,
160.570

 94, 11.842,
333.877

 94, 14.356,
324.919

Harmonies

Complementary

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



85, 39.932, 170.077



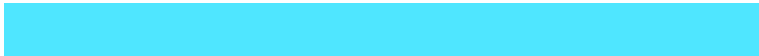
65, 45.704, 1.256

Rectangle

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



85, 39.932, 170.077



85, 39.932, 220.077



85, 39.932, 350.077



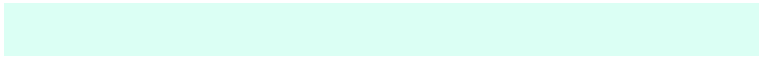
85, 39.932, 40.077

Sweetspot

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



85, 39.933, 170.076



97, 13.621, 173.856



85, 62.231, 132.852



52, 9.385, 173.634



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, 39.933, 170.076



92, 49.927, 168.773



80, 28.157, 220.138



47, 5.091, 174.324



65, 54.814, 160.979



18, 21.647, 164.910

Inverse Universe

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



65, 45.704, 1.256



66, 58.520, 3.261



68, 40.238, 38.256



45, 5.227, 355.979



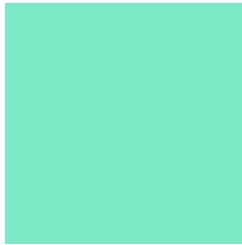
37, 66.674, 19.869



7, 26.671, 7.827

Previews

White Background



This preview shows how the CIE LCh color 85, 39.932, 170.077 looks on a white background.

Color Contrast Check

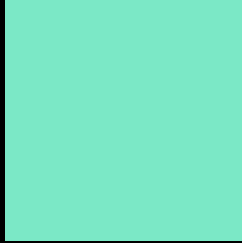
Large Text (above 18pt) WCAG AA × Fail

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, 39.932, 170.077 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

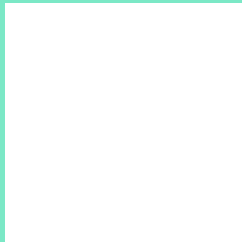
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 39.932, 170.077

Background



This preview shows how black text looks on a background with the CIELCh color 85, 39.932, 170.077.

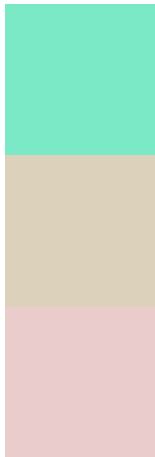


This preview shows how white text looks on a background with the CIELCh color 85, 39.932, 170.077.

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, 39.932, 170.077

Protanopia
84, 12.638, 91.602

Deuteranopia
85, 11.194, 20.207

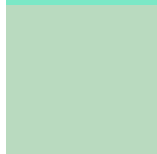


Tritanopia
85, 28.226, 217.527

Trichromacy



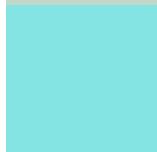
Original Color
85, 39.932, 170.077



Protanomaly
84, 18.721, 148.901



Deuteranomaly
84, 9.668, 157.955



Tritanomaly
85, 30.020, 196.389

Monochromacy



Original Color
85, 39.932, 170.077



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 15.646, 174.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 39.932, 170.077 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(123, 232, 198)` looks like.

```
.text, #text, p{  
    color:rgb(123, 232, 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(123, 232, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 232, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 39.932, 170.077 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(123, 232, 198) }
```

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

```
.border{ border-color:rgb(123, 232, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 232, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 232, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 232, 198);  
box-shadow:4px 4px 4px 4px rgb(123, 232,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 39.932, 170.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 232, 198) }
```

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

```
.background{ background-color: rgb(123,  
232, 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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