

Converting Colors

CIELCh(85, 39.207, 165.126)

Have a look what the booklet for
CIELCh(85, 39.207, 165.126)
contains.

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Color

CIELCh(85, 39.005, 165.082)

Conversions

Conversions Part 1

Format	Color
Hex	85E7C0
RGB	133, 231, 192
RGB Percent	52%, 91%, 75%
CMY	0.4781, 0.0937, 0.2467
CMYK	0.42, 0.00, 0.17, 0.09
HSL	156°, 67%, 71%
HSV	156°, 42%, 91%
XYZ	47.8130, 66.0070, 60.1408
YIQ	197.2520, -45.8890, -32.9050

Conversions

Conversions Part 2

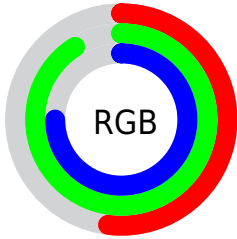
Format	Color
RYB	133, 194, 231
Decimal	8775616
CIELab	85.00, -37.69, 10.04
CIELCh	85, 39.005, 165.082
Yxy	66.0070, 0.2748, 0.3794
Android (android.graphics.Color)	4286965696 (0xFF85E7C0)
YUV	197.2520, -2.5892, -56.3490
Hunter-Lab	81.2447, -37.1299, 12.9823

Details

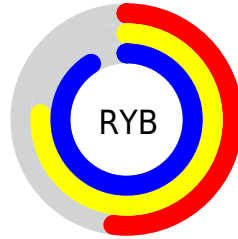
The CIELCh color **85, 39.005, 165.082** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67, 42.423, 354.433**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.782, 188.513**, and **65, 38.999, 165.391** is the 20% darker color. If you saturate the color by 10%, you get **84, 47.115, 163.702**, and if you desaturate by 10%, it is **86, 30.312, 166.314**.

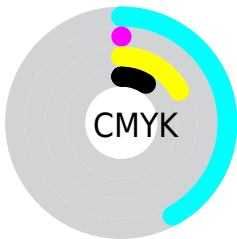
Distribution



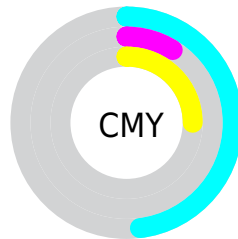
- Red (52%)
- Green (91%)
- Blue (75%)



- Red (52%)
- Yellow (76%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (17%)
- Black (9%)





- Cyan (48%)
- Magenta (9%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 39.005, 165.082 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, 39.005, 165.082 by changing the saturation by 10% instead.


 85, 39.005,
165.082


 85, 39.005,
165.082


 100, 39.005,
165.082


 75, 39.005,
165.082

 65, 39.005,
165.082

 55, 39.005,
165.082

 45, 39.005,
165.082

 35, 39.005,
165.082


 25, 39.005,
165.082


 15, 39.005,


165.082


 5, 39.005, 165.082


 0, 39.005, 165.082

 85, 39.005,
165.082


 85, 39.005,
165.082

 84, 47.115,
163.702


 86, 30.312,
166.314

 83, 54.487,
162.150

 88, 21.195,
167.427

 82, 60.999,
160.402

 89, 11.809,
168.449

 82, 66.589,
158.442

 91, 2.292, 169.541

 82, 71.276,

 93, 7.244, 350.105

156.272

94, 11.903,
335.860

81, 74.372,
154.542

94, 14.931,
324.939

Harmonies

Complementary

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



85, 39.005, 165.082



67, 42.423, 354.433

Rectangle

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



85, 39.005, 165.082



85, 39.005, 215.082



85, 39.005, 345.082



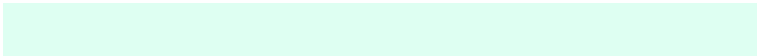
85, 39.005, 35.082

Sweetspot

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



85, 39.006, 165.081



97, 13.397, 168.383



86, 54.880, 130.489



52, 9.365, 168.162



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, 39.006, 165.081



92, 49.804, 163.866



83, 27.372, 208.644



47, 5.380, 168.742



64, 60.829, 154.963



18, 23.718, 159.124

Inverse Universe

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



67, 42.423, 354.433



69, 54.934, 355.968



68, 37.698, 30.959



45, 5.485, 350.348



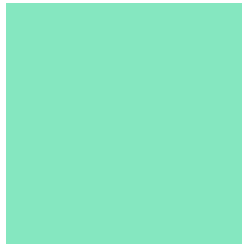
38, 64.899, 11.718



7, 26.902, 2.425

Previews

White Background



This preview shows how the CIELCh color 85, 39.005, 165.082 looks on a white background.

Color Contrast Check

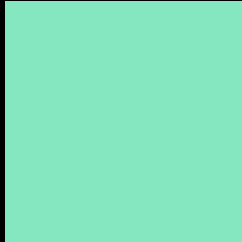
Large Text (above 18pt) WCAG AA × Fail

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, 39.005, 165.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

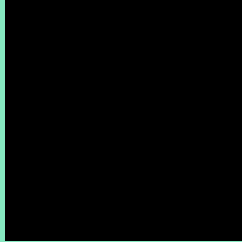
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 39.005, 165.082

Background



This preview shows how black text looks on a background with the CIELCh color 85, 39.005, 165.082.

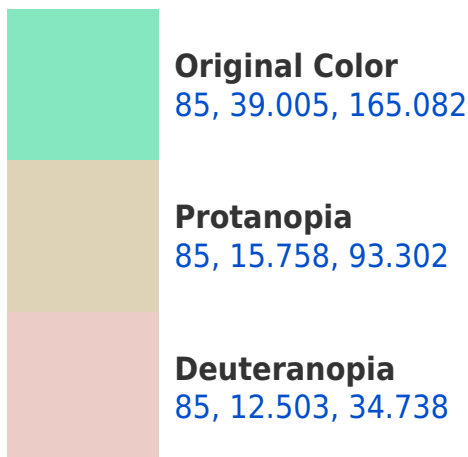


This preview shows how white text looks on a background with the CIELCh color 85, 39.005, 165.082.

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, 25.426, 219.996

Trichromacy



Original Color
85, 39.005, 165.082



Protanomaly
84, 19.800, 140.251



Deuteranomaly
84, 10.994, 139.420

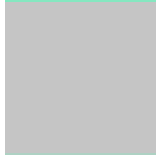


Tritanomaly
85, 27.436, 194.232

Monochromacy



Original Color
85, 39.005, 165.082



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 14.680, 167.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 39.005, 165.082 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, 231, 192)` looks like.

```
.text, #text, p{  
    color:rgb(133, 231, 192)  
}
```

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, 231, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 231, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 39.005, 165.082 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, 231, 192) }
```

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

```
.border{ border-color:rgb(133, 231, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 231, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 231, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 231, 192);  
box-shadow:4px 4px 4px 4px rgb(133, 231,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 39.005, 165.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 231, 192) }
```

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

```
.background{ background-color: rgb(133,  
231, 192) }
```

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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