

Converting Colors

CIELCh(85, 39.735, 156.977)

Have a look what the booklet for
CIELCh(85, 39.735, 156.977)
contains.

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Color

CIELCh(85, 39.370, 157.112)

Conversions

Conversions Part 1

Format	Color
Hex	90E6B6
RGB	144, 230, 182
RGB Percent	56%, 90%, 71%
CMY	0.4347, 0.0974, 0.2857
CMYK	0.37, 0.00, 0.21, 0.10
HSL	147°, 63%, 73%
HSV	147°, 37%, 90%
XYZ	48.3271, 66.0070, 54.5296
YIQ	198.8140, -35.8480, -33.1600

Conversions

Conversions Part 2

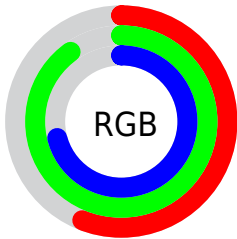
Format	Color
RYB	144, 204, 230
Decimal	9496246
CIELab	85.00, -36.27, 15.31
CIELCh	85, 39.370, 157.112
Yxy	66.0070, 0.2862, 0.3909
Android (android.graphics.Color)	4287686326 (0xFF90E6B6)
YUV	198.8140, -8.2893, -48.0719
Hunter-Lab	81.2447, -36.0005, 17.0772

Details

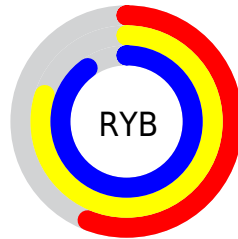
The CIELCh color **85, 39.370, 157.112** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 40.660, 344.045**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.776, 173.264**, and **65, 39.447, 157.148** is the 20% darker color. If you saturate the color by 10%, you get **84, 49.246, 155.845**, and if you desaturate by 10%, it is **86, 29.062, 158.225**.

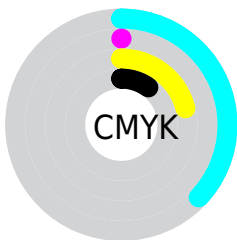
Distribution



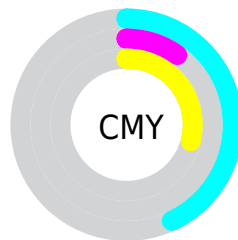
- Red (56%)
- Green (90%)
- Blue (71%)



- Red (56%)
- Yellow (80%)
- Blue (90%)



- Cyan (37%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)





- Cyan (43%)
- Magenta (10%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 39.370, 157.112 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, 39.370, 157.112 by changing the saturation by 10% instead.


 85, 39.370,
157.112


 85, 39.370,
157.112


 100, 39.370,
157.112


 75, 39.370,
157.112


 65, 39.370,
157.112

 55, 39.370,
157.112

 45, 39.370,
157.112

 35, 39.370,
157.112


 25, 39.370,
157.112


 15, 39.370,


157.112


 5, 39.370, 157.112

 0, 39.370, 157.112


 85, 39.370,
157.112


 85, 39.370,
157.112

 84, 49.246,
155.845


 86, 29.062,
158.225

 83, 58.500,
154.402


 88, 18.498,
159.213


 82, 66.958,
152.760

 90, 7.836, 160.114

 81, 74.483,
150.907

 92, 2.797, 340.685

 94, 12.167,
336.905

 81, 81.009,

148.848

94, 15.519,
324.961

81, 86.569,
146.631

81, 87.935,
146.062

Harmonies

Complementary

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



85, 39.370, 157.112



70, 40.660, 344.045

Rectangle

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



85, 39.370, 157.112



85, 39.370, 207.112



85, 39.370, 337.112



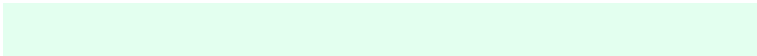
85, 39.370, 27.112

Sweetspot

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



85, 39.371, 157.111



98, 12.725, 159.786



87, 46.288, 124.866



52, 8.552, 159.664



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, 39.371, 157.111



92, 51.007, 156.127



86, 27.755, 191.273



47, 6.030, 159.929



64, 72.078, 146.466



18, 27.735, 150.646

Inverse Universe

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



70, 40.660, 344.045



73, 52.855, 344.976



69, 34.922, 17.929



45, 6.090, 341.350



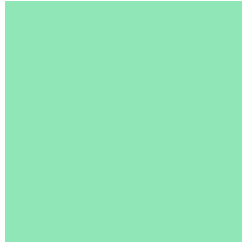
39, 65.814, 356.491



7, 28.275, 350.662

Previews

White Background



This preview shows how the CIE LCh color 85, 39.370, 157.112 looks on a white background.

Color Contrast Check

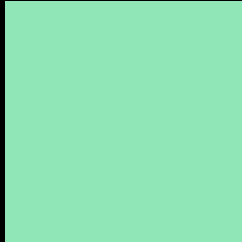
Large Text (above 18pt) WCAG AA × Fail

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, 39.370, 157.112 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, 39.370, 157.112

Background



This preview shows how black text looks on a background with the CIELCh color 85, 39.370, 157.112.

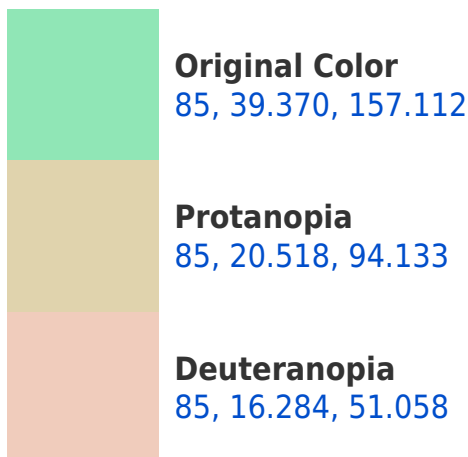


This preview shows how white text looks on a background with the CIELCh color 85, 39.370, 157.112.

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, 22.248, 223.563

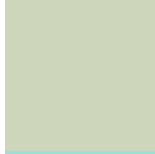
Trichromacy



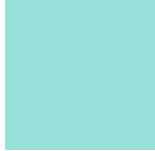
Original Color
85, 39.370, 157.112



Protanomaly
84, 23.642, 129.863



Deuteranomaly
84, 15.069, 121.885

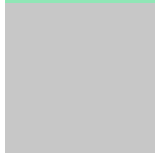


Tritanomaly
85, 24.259, 190.218

Monochromacy



Original Color
85, 39.370, 157.112



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 14.488, 159.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 39.370, 157.112 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(144, 230, 182)` looks like.

```
.text, #text, p{  
    color:rgb(144, 230, 182)  
}
```

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(144, 230, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 230, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 39.370, 157.112 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(144, 230, 182) }
```

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

```
.border{ border-color:rgb(144, 230, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 230, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 230, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 230, 182);  
box-shadow:4px 4px 4px 4px rgb(144, 230,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 39.370, 157.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 230, 182) }
```

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

```
.background{ background-color: rgb(144,  
230, 182) }
```

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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