

Converting Colors

CIELCh(83, 39.356, 159.658)

Have a look what the booklet for
CIELCh(83, 39.356, 159.658)
contains.

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Color

CIELCh(83, 39.333, 159.679)

Conversions

Conversions Part 1

Format	Color
Hex	87E1B4
RGB	135, 225, 180
RGB Percent	53%, 88%, 71%
CMY	0.4714, 0.1184, 0.2949
CMYK	0.40, 0.00, 0.20, 0.12
HSL	150°, 60%, 71%
HSV	150°, 40%, 88%
XYZ	45.0490, 62.1629, 52.7010
YIQ	192.9600, -39.1950, -33.0750

Conversions

Conversions Part 2

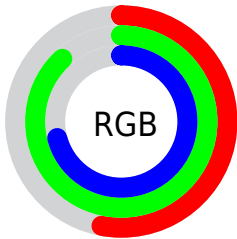
Format	Color
RYB	135, 195, 225
Decimal	8905140
CIELab	83.00, -36.88, 13.66
CIElCh	83, 39.333, 159.679
Yxy	62.1629, 0.2817, 0.3887
Android (android.graphics.Color)	4287095220 (0xFF87E1B4)
YUV	192.9600, -6.3893, -50.8309
Hunter-Lab	78.8435, -35.9862, 15.5595

Details

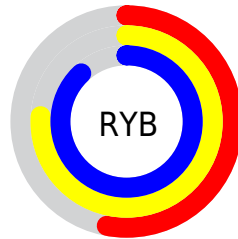
The CIELCh color **83, 39.333, 159.679** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **67, 41.246, 347.660**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.859, 173.730**, and **63, 39.245, 159.592** is the 20% darker color. If you saturate the color by 10%, you get **82, 48.345, 158.350**, and if you desaturate by 10%, it is **84, 29.836, 160.853**.

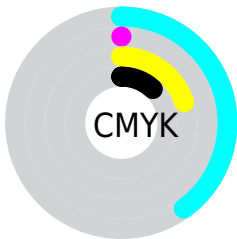
Distribution



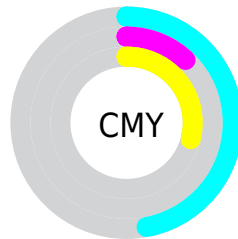
- Red (53%)
- Green (88%)
- Blue (71%)



- Red (53%)
- Yellow (76%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 39.333, 159.679 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 83, 39.333, 159.679 by changing the saturation by 10% instead.


 83, 39.333,
159.679


 83, 39.333,
159.679


 100, 39.333,
159.679


 73, 39.333,
159.679


 63, 39.333,
159.679

 53, 39.333,
159.679

 43, 39.333,
159.679

 33, 39.333,
159.679

 23, 39.333,
159.679

 13, 39.333,

159.679

■ 3, 39.333, 159.679

■ 0, 39.333, 159.679

■ 83, 39.333,
159.679

■ 83, 39.333,
159.679

■ 82, 48.345,
158.350

■ 84, 29.836,
160.853

■ 81, 56.698,
156.842

■ 86, 20.020,
161.901

■ 80, 64.244,
155.134

■ 88, 10.040,
162.854

■ 80, 70.883,
153.211

■ 89, 0.028, 179.862

■ 79, 76.588,

■ 92, 9.916, 344.369

151.079

92, 15.793,
333.363

79, 81.484,
148.830

93, 18.888,
325.080

Harmonies

Complementary

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



83, 39.333, 159.679



67, 41.246, 347.660

Rectangle

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



83, 39.333, 159.679



83, 39.333, 209.679



83, 39.333, 339.679



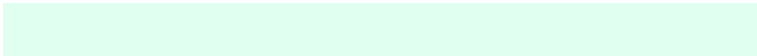
83, 39.333, 29.679

Sweetspot

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



83, 39.334, 159.678



98, 13.301, 162.664



85, 49.374, 127.186



52, 8.822, 162.540



0, 0.000, 0.000



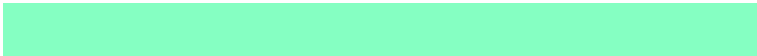
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 39.334, 159.678



92, 51.540, 158.587



84, 28.184, 197.509



46, 5.673, 162.909



63, 67.287, 149.236



17, 25.303, 153.718

Inverse Universe

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



67, 41.246, 347.660



71, 54.365, 348.803



66, 37.472, 23.337



44, 5.746, 344.400



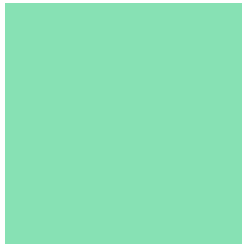
38, 64.176, 1.838



6, 26.430, 354.738

Previews

White Background



This preview shows how the CIELCh color 83, 39.333, 159.679 looks on a white background.

Color Contrast Check

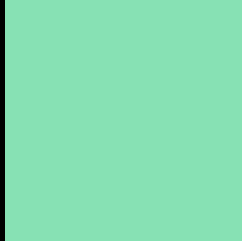
Large Text (above 18pt) WCAG AA × Fail

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 83, 39.333, 159.679 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

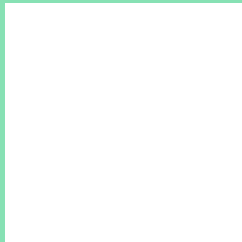
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 39.333, 159.679

Background



This preview shows how black text looks on a background with the CIELCh color 83, 39.333, 159.679.

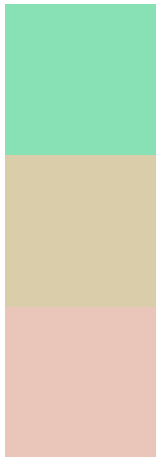


This preview shows how white text looks on a background with the CIELCh color 83, 39.333, 159.679.

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
83, 39.333, 159.679

Protanopia
83, 19.002, 94.247

Deuteranopia
82, 15.197, 46.922

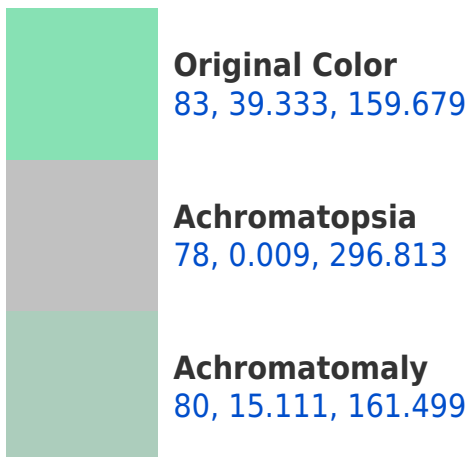


Tritanopia
83, 23.264, 222.422

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 39.333, 159.679 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(135, 225, 180)` looks like.

```
.text, #text, p{  
    color:rgb(135, 225, 180)  
}
```

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(135, 225, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 225, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 39.333, 159.679 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(135, 225, 180) }
```

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

```
.border{ border-color:rgb(135, 225, 180) }
```

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

Here you see how a box with a 4 pixel rgb(135, 225, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 225, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 225, 180);  
box-shadow:4px 4px 4px 4px rgb(135, 225,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 39.333, 159.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 225, 180) }
```

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

```
.background{ background-color: rgb(135,  
225, 180) }
```

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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