

# Converting Colors

CIELCh(85, 27.895, 173.105)

Have a look what the booklet for  
CIELCh(85, 27.895, 173.105)  
contains.

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**Color**

**CIELCh(85, 27.849, 172.883)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99E3CD
RGB	153, 227, 205
RGB Percent	60%, 89%, 80%
CMY	0.4006, 0.1104, 0.1967
CMYK	0.33, 0.00, 0.10, 0.11
HSL	162°, 57%, 74%
HSV	162°, 33%, 89%
XYZ	51.5328, 66.0070, 67.6824
YIQ	202.3660, -37.0420, -22.5300

# Conversions

## Conversions Part 2

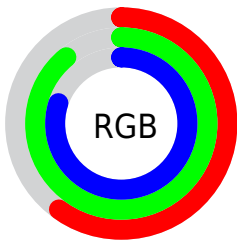
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 196, 227
Decimal	10085325
CIE <sub>Lab</sub>	85.00, -27.63, 3.45
CIE <sub>LCh</sub>	85, 27.849, 172.883
Yxy	66.0070, 0.2782, 0.3564
Android (android.graphics.Color)	4288275405 (0xFF99E3CD)
YUV	202.3660, 1.2986, -43.2940
Hunter-Lab	81.2447, -28.9573, 7.4787

# Details

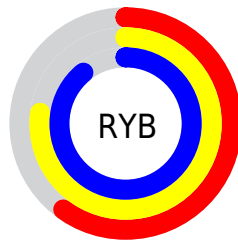
The CIELCh color **85, 27.849, 172.883** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **71, 30.730, 359.864**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **65, 27.600, 173.245** is the 20% darker color. If you saturate the color by 10%, you get **84, 35.571, 171.679**, and if you desaturate by 10%, it is **86, 19.638, 173.984**.

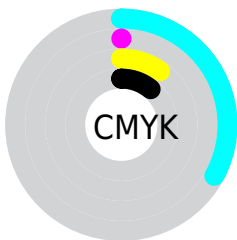
# Distribution



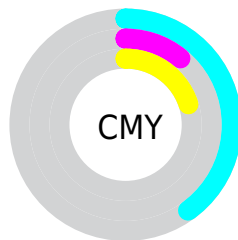
- Red (60%)
- Green (89%)
- Blue (80%)



- Red (60%)
- Yellow (77%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)




- Cyan (40%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 27.849, 172.883 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, 27.849, 172.883 by changing the saturation by 10% instead.




 85, 27.849,  
172.883

 85, 27.849,  
172.883


 100, 27.849,  
172.883

 75, 27.849,  
172.883

 65, 27.849,  
172.883

 55, 27.849,  
172.883

 45, 27.849,  
172.883

 35, 27.849,  
172.883

 25, 27.849,  
172.883

 15, 27.849,

172.883

■ 5, 27.849, 172.883

■ 0, 27.849, 172.883

■ 85, 27.849,  
172.883

■ 85, 27.849,  
172.883

■ 84, 35.571,  
171.679

■ 86, 19.638,  
173.984

■ 83, 42.652,  
170.354

■ 88, 11.081,  
175.016

■ 82, 48.957,  
168.880

■ 90, 2.312, 176.137

■ 92, 6.555, 356.712

■ 81, 54.384,  
167.233

■ 93, 11.773,  
349.391

■ 81, 58.889,

165.391

93, 13.831,  
336.900

81, 62.509,  
163.348

93, 16.386,  
328.041

80, 64.759,  
161.758

93, 17.605,  
325.035

# Harmonies

# Complementary

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



85, 27.849, 172.883



71, 30.730, 359.864

# Rectangle

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



85, 27.849, 172.883



85, 27.849, 222.883



85, 27.849, 352.883



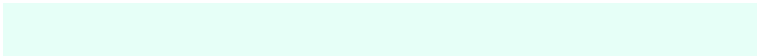
85, 27.849, 42.883

# Sweetspot

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



85, 27.850, 172.881



98, 9.675, 175.274



85, 43.078, 134.149



52, 6.593, 175.131



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, 27.850, 172.881



93, 36.091, 172.096



82, 20.338, 221.080



46, 4.955, 175.338



64, 53.224, 162.155



17, 20.561, 166.253



# Inverse Universe

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



71, 30.730, 359.864



75, 40.668, 0.909



74, 25.584, 39.262



44, 5.093, 356.988



37, 66.390, 21.132

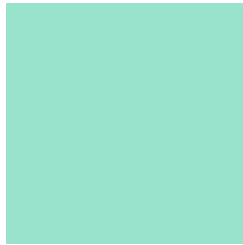


6, 25.354, 7.842



# Previews

## White Background



This preview shows how the CIE LCh color 85, 27.849, 172.883 looks on a white background.

## Color Contrast Check

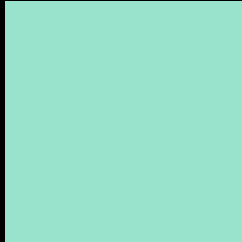
Large Text (above 18pt) WCAG AA × Fail

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, 27.849, 172.883 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

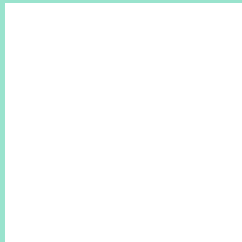
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 85, 27.849, 172.883**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 85, 27.849, 172.883.

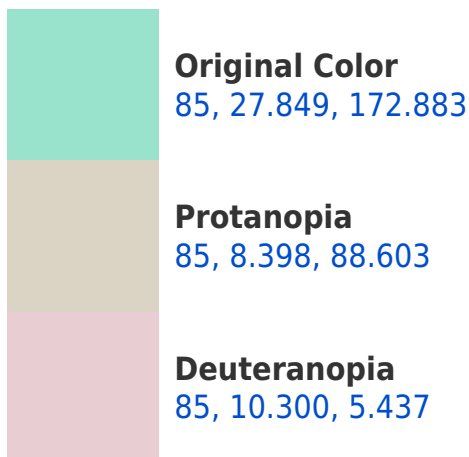


This preview shows how white text looks on a background with the CIELCh color 85, 27.849, 172.883.


# 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





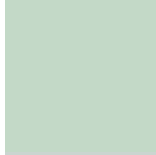


**Tritanopia**  
85, 21.243, 224.909

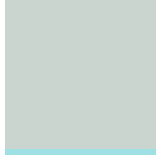
# Trichromacy



**Original Color**  
85, 27.849, 172.883



**Protanomaly**  
85, 12.460, 149.272



**Deuteranomaly**  
84, 4.490, 163.362

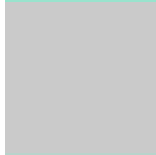


**Tritanomaly**  
85, 21.506, 202.215

# Monochromacy



**Original Color**  
85, 27.849, 172.883



**Achromatopsia**  
81, 0.010, 296.813



**Achromatomaly**  
82, 10.587, 175.073

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 27.849, 172.883 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(153, 227, 205)` looks like.

```
.text, #text, p{  
    color:rgb(153, 227, 205)  
}
```

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(153, 227, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 227, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 27.849, 172.883 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(153, 227, 205) }
```

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

```
.border{ border-color:rgb(153, 227, 205) }
```

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

Here you see how a box with a 4 pixel rgb(153, 227, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(153, 227,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 27.849, 172.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 227, 205) }
```

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

```
.background{ background-color: rgb(153,  
227, 205) }
```

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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