

# Converting Colors

CIELCh(85, 30.856, 160.759)

Have a look what the booklet for  
CIELCh(85, 30.856, 160.759)  
contains.

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**Color**

**CIELCh(85, 30.856, 160.759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DE3C0
RGB	157, 227, 192
RGB Percent	62%, 89%, 75%
CMY	0.3838, 0.1092, 0.2465
CMYK	0.31, 0.00, 0.15, 0.11
HSL	150°, 56%, 75%
HSV	150°, 31%, 89%
XYZ	50.9669, 66.0070, 60.0012
YIQ	202.0800, -30.4850, -25.7250

# Conversions

## Conversions Part 2

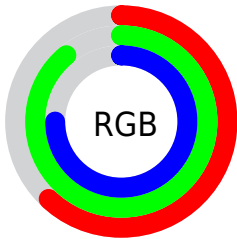
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 204, 227
Decimal	10347456
CIELab	85.00, -29.13, 10.17
CIELCh	85, 30.856, 160.759
Yxy	66.0070, 0.2880, 0.3730
Android (android.graphics.Color)	4288537536 (0xFF9DE3C0)
YUV	202.0800, -4.9694, -39.5352
Hunter-Lab	81.2447, -30.2006, 13.0842

# Details

The CIELCh color  $85, 30.856, 160.759$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $72, 32.053, 346.545$ , and the grayscale version is  $81, 0.010, 296.813$ .

A 20% lighter version of the original color is  $97, 14.750, 184.417$ , and  $65, 30.574, 161.356$  is the 20% darker color. If you saturate the color by 10%, you get  $84, 40.404, 159.571$ , and if you desaturate by 10%, it is  $87, 20.977, 161.815$ .

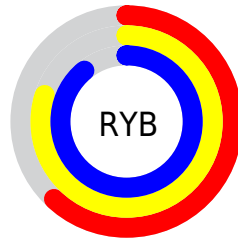
# Distribution



Red (62%)

Green (89%)

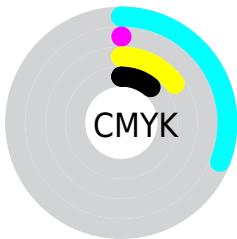
Blue (75%)



Red (62%)

Yellow (80%)

Blue (89%)

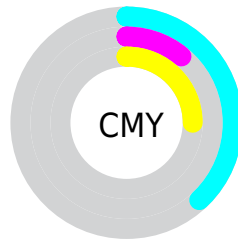


Cyan (31%)

Magenta (0%)

Yellow (15%)

Black (11%)



Cyan (38%)

Magenta (11%)


Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 30.856, 160.759 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, 30.856, 160.759 by changing the saturation by 10% instead.





 85, 30.856,  
160.759


 85, 30.856,  
160.759


 100, 30.856,  
160.759


 75, 30.856,  
160.759

 65, 30.856,  
160.759

 55, 30.856,  
160.759

 45, 30.856,  
160.759

 35, 30.856,  
160.759


 25, 30.856,  
160.759


 15, 30.856,


160.759


 5, 30.856, 160.759

 0, 30.856, 160.759


 85, 30.856,  
160.759


 85, 30.856,  
160.759

 84, 40.404,  
159.571


 87, 20.977,  
161.815

 83, 49.444,  
158.228

 88, 10.920,  
162.774


 82, 57.806,  
156.704

 90, 0.820, 164.125

 81, 65.345,  
154.977

 92, 9.216, 344.302

 80, 71.962,

 93, 14.968,  
331.839

153.035

93, 17.416,  
325.028

80, 77.639,  
150.886

80, 82.157,  
148.809

# Harmonies

# Complementary

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



85, 30.856, 160.759



72, 32.053, 346.545

# Rectangle

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



85, 30.856, 160.759



85, 30.856, 210.759



85, 30.856, 340.759



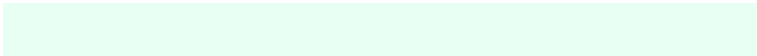
85, 30.856, 30.759

# Sweetspot

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



85, 30.857, 160.758



98, 9.974, 162.938



86, 38.382, 127.029



52, 6.932, 162.802



0, 0.000, 0.000



53, 0.007, 296.813



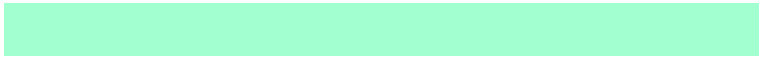


# Same Dimension

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



85, 30.857, 160.758



93, 40.415, 160.013



86, 22.862, 196.326



47, 5.779, 162.901



64, 68.054, 149.204



18, 26.271, 153.427



# Inverse Universe

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



72, 32.053, 346.545



77, 42.269, 347.303



72, 28.082, 20.763



45, 5.853, 344.396



38, 64.860, 1.877

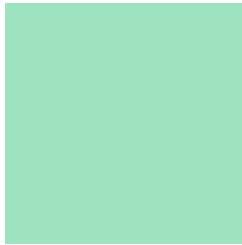


7, 27.612, 354.928



# Previews

## White Background



This preview shows how the CIE LCh color 85, 30.856, 160.759 looks on a white background.

## Color Contrast Check

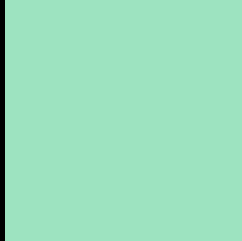
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 85, 30.856, 160.759 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

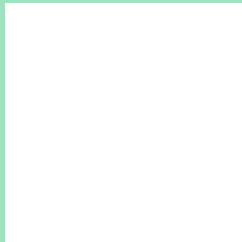
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 85, 30.856, 160.759**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 85, 30.856, 160.759.

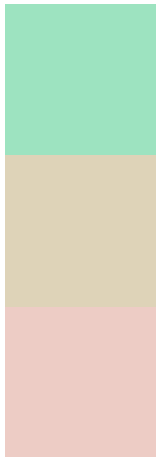


This preview shows how white text looks on a background with the CIELCh color 85, 30.856, 160.759.

# 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, 30.856, 160.759

**Protanopia**  
85, 14.749, 92.355

**Deuteranopia**  
85, 13.042, 36.518





**Tritanopia**  
85, 19.283, 226.185

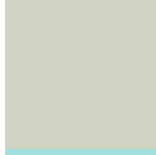
# Trichromacy



**Original Color**  
85, 30.856, 160.759



**Protanomaly**  
85, 17.279, 132.999



**Deuteranomaly**  
84, 9.052, 118.844

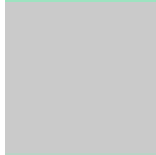


**Tritanomaly**  
85, 20.035, 195.011

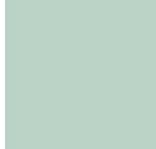
# Monochromacy



**Original Color**  
85, 30.856, 160.759



**Achromatopsia**  
81, 0.010, 296.813



**Achromatomaly**  
82, 11.428, 161.640

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 30.856, 160.759 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(157, 227, 192)` looks like.

```
.text, #text, p{  
    color:rgb(157, 227, 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(157, 227, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 227, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 30.856, 160.759 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(157, 227, 192) }
```

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

```
.border{ border-color:rgb(157, 227, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 227, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 227, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 227, 192); box-shadow:4px 4px 4px 4px rgb(157, 227, 192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 30.856, 160.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 227, 192) }
```

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

```
.background{ background-color: rgb(157,  
227, 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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