

# Converting Colors

CIELCh(85, 27.799, 141.680)

Have a look what the booklet for  
CIELCh(85, 27.799, 141.680)  
contains.

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# **Color**

**CIELCh(85, 27.656, 141.454)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6DFB3
RGB	182, 223, 179
RGB Percent	71%, 87%, 70%
CMY	0.2861, 0.1253, 0.2979
CMYK	0.18, 0.00, 0.20, 0.13
HSL	116°, 41%, 79%
HSV	116°, 20%, 87%
XYZ	53.8433, 66.0070, 52.5744
YIQ	205.7250, -10.3120, -22.3760

# Conversions

## Conversions Part 2

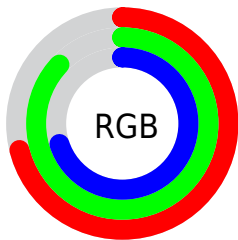
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	179, 223, 220
Decimal	11984819
CIE Lab	85.00, -21.63, 17.23
CIE LCh	85, 27.656, 141.454
Yxy	66.0070, 0.3123, 0.3828
Android (android.graphics.Color)	4290174899 (0xFFB6DFB3)
YUV	205.7250, -13.1754, -20.8068
Hunter-Lab	81.2447, -23.8809, 18.5040

# Details

The CIELCh color  $85, 27.656, 141.454$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $78, 27.749, 323.588$ , and the grayscale version is  $83, 0.010, 296.813$ .

A 20% lighter version of the original color is  $98, 11.875, 139.926$ , and  $65, 28.032, 141.634$  is the 20% darker color. If you saturate the color by 10%, you get  $83, 41.673, 140.722$ , and if you desaturate by 10%, it is  $87, 13.578, 142.095$ .

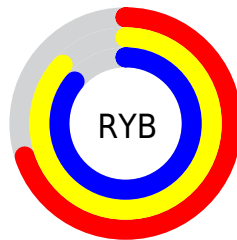
# Distribution



Red (71%)

Green (87%)

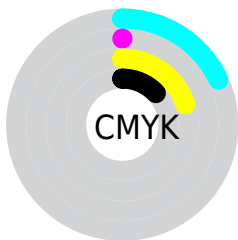
Blue (70%)



Red (70%)

Yellow (87%)

Blue (86%)

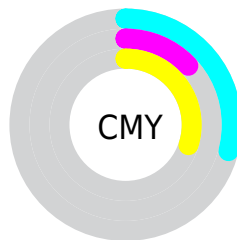


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (13%)



Cyan (29%)

Magenta (13%)


Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 27.656, 141.454 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, 27.656, 141.454 by changing the saturation by 10% instead.





 85, 27.656,  
141.454


 85, 27.656,  
141.454


 100, 27.656,  
141.454


 75, 27.656,  
141.454

 65, 27.656,  
141.454

 55, 27.656,  
141.454

 45, 27.656,  
141.454

 35, 27.656,  
141.454


 25, 27.656,  
141.454

 15, 27.656,


141.454


 5, 27.656, 141.454


 0, 27.656, 141.454

 85, 27.656,  
141.454


 85, 27.656,  
141.454


 83, 41.673,  
140.722


 87, 13.578,  
142.095


 82, 55.379,  
139.892

 89, 0.386, 321.934

 81, 68.453,  
138.980

 91, 14.110,  
323.054

 80, 80.480,  
138.028

 92, 19.990,  
325.119

 79, 90.945,

137.118

■ 78, 99.258,  
136.373

■ 78, 104.887,  
135.931

■ 78, 107.844,  
135.787

■ 78, 107.907,  
135.781

# Harmonies

# Complementary

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



85, 27.656, 141.454



78, 27.749, 323.588

# Rectangle

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



85, 27.656, 141.454



85, 27.656, 191.454



85, 27.656, 321.454



85, 27.656, 11.454

# Sweetspot

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



85, 27.658, 141.454



99, 9.309, 142.315



87, 20.995, 104.542



52, 6.178, 142.276



0, 0.000, 0.000



53, 0.007, 296.813



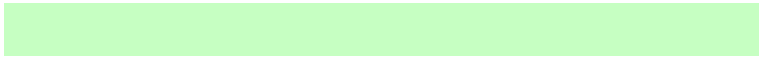


# Same Dimension

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



85, 27.658, 141.454



95, 37.527, 141.141



85, 20.873, 157.801



46, 7.963, 142.112



63, 90.301, 135.714



16, 34.634, 138.250



# Inverse Universe

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



78, 27.749, 323.588



85, 37.662, 323.812



77, 21.214, 340.990



44, 7.984, 323.058



40, 87.834, 325.579

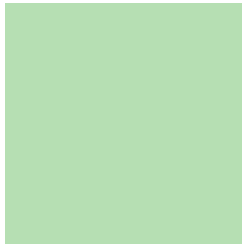


7, 35.860, 325.939



# Previews

## White Background



This preview shows how the CIELCh color 85, 27.656, 141.454 looks on a white background.

## Color Contrast Check

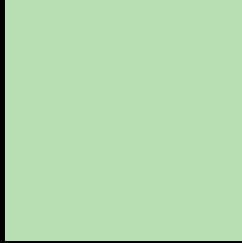
Large Text (above 18pt) WCAG AA × Fail

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, 27.656, 141.454 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, 27.656, 141.454

## Background



This preview shows how black text looks on a background with the CIELCh color 85, 27.656, 141.454.

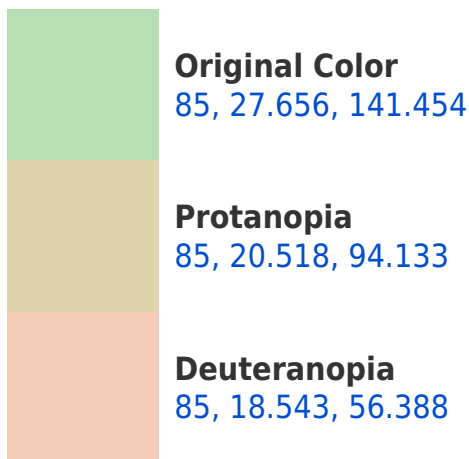


This preview shows how white text looks on a background with the CIELCh color 85, 27.656, 141.454.

# 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

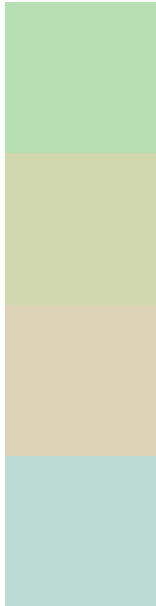






**Tritanopia**  
85, 12.124, 246.735

# Trichromacy



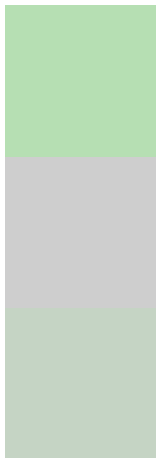
**Original Color**  
85, 27.656, 141.454

**Protanomaly**  
85, 21.008, 114.671

**Deuteranomaly**  
85, 15.569, 96.044

**Tritanomaly**  
85, 11.394, 182.525

# Monochromacy



**Original Color**  
85, 27.656, 141.454

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 10.111, 142.380

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 27.656, 141.454 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(182, 223, 179)` looks like.

```
.text, #text, p{  
    color:rgb(182, 223, 179)  
}
```

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(182, 223, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 223, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 27.656, 141.454 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(182, 223, 179) }
```

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

```
.border{ border-color:rgb(182, 223, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 223, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 223, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 223, 179); box-shadow:4px 4px 4px 4px rgb(182, 223, 179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 27.656, 141.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 223, 179) }
```

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

```
.background{ background-color: rgb(182,  
223, 179) }
```

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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