

# Converting Colors

CIELCh(84, 62.291, 143.240)

Have a look what the booklet for  
CIELCh(84, 62.291, 143.240)  
contains.

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**Color**

**CIELCh(84, 62.376, 143.121)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FE888
RGB	127, 232, 136
RGB Percent	50%, 91%, 53%
CMY	0.5016, 0.0898, 0.4663
CMYK	0.45, 0.00, 0.41, 0.09
HSL	125°, 70%, 70%
HSV	125°, 45%, 91%
XYZ	42.0999, 64.0658, 33.4719
YIQ	189.6610, -31.7640, -52.1160

# Conversions

## Conversions Part 2

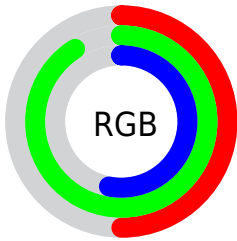
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 224, 232
Decimal	8382600
CIELab	84.00, -49.89, 37.43
CIELCh	84, 62.376, 143.121
Yxy	64.0658, 0.3015, 0.4588
Android (android.graphics.Color)	4286572680 (0xFF7FE888)
YUV	189.6610, -26.4549, -54.9537
Hunter-Lab	80.0411, -46.1848, 31.2346

# Details

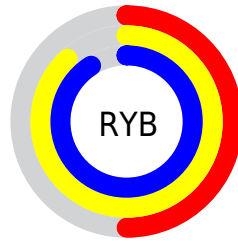
The CIELCh color **84, 62.376, 143.121** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68, 62.141, 329.445**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 41.776, 144.479**, and **64, 62.385, 143.159** is the 20% darker color. If you saturate the color by 10%, you get **83, 74.876, 141.933**, and if you desaturate by 10%, it is **85, 49.053, 144.175**.

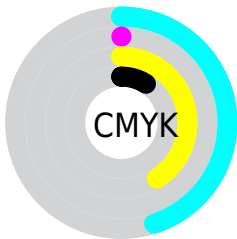
# Distribution



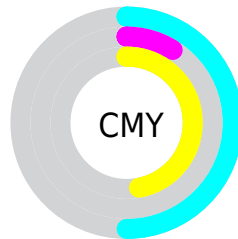
- Red (50%)
- Green (91%)
- Blue (53%)



- Red (50%)
- Yellow (88%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)




- Cyan (50%)
- Magenta (9%)
- Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 62.376, 143.121 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 84, 62.376, 143.121 by changing the saturation by 10% instead.





 84, 62.376,  
143.121


 84, 62.376,  
143.121


 100, 62.376,  
143.121


 74, 62.376,  
143.121

 64, 62.376,  
143.121

 54, 62.376,  
143.121

 44, 62.376,  
143.121

 34, 62.376,  
143.121


 24, 62.376,  
143.121


 14, 62.376,


143.121


 4, 62.376, 143.121


 0, 62.376, 143.121


 84, 62.376,  
143.121


 84, 62.376,  
143.121


 83, 74.876,  
141.933


 85, 49.053,  
144.175

 82, 86.155,  
140.639


 87, 35.247,  
145.090

 81, 95.777,  
139.302

 89, 21.241,  
145.879

 81, 103.303,  
138.032

 91, 7.255, 146.575

 81, 108.376,

 93, 6.548, 327.053

136.968

94, 14.302,  
324.917

81, 109.945,  
136.612

# Harmonies

# Complementary

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



84, 62.376, 143.121



68, 62.141, 329.445

# Rectangle

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



84, 62.376, 143.121



84, 62.376, 193.121



84, 62.376, 323.121



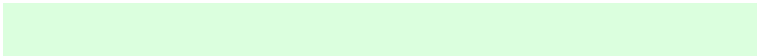
84, 62.376, 13.121

# Sweetspot

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



84, 62.377, 143.121



97, 21.048, 145.964



89, 52.901, 109.691



51, 14.545, 145.805



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



84, 62.377, 143.121



90, 79.158, 142.053



85, 42.173, 163.589



48, 7.961, 146.286



64, 90.959, 136.761



18, 36.611, 139.798



# Inverse Universe

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



68, 62.141, 329.445



70, 78.397, 329.936



66, 45.736, 353.649



46, 7.976, 327.362



42, 83.564, 331.958

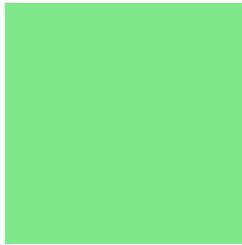


9, 36.137, 331.369



# Previews

## White Background



This preview shows how the CIELCh color 84, 62.376, 143.121 looks on a white background.

## Color Contrast Check

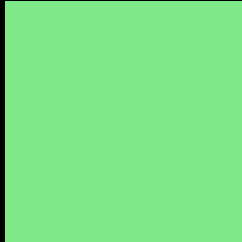
Large Text (above 18pt) WCAG AA × Fail

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 84, 62.376, 143.121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

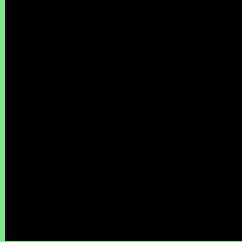
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 84, 62.376, 143.121**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 62.376, 143.121.

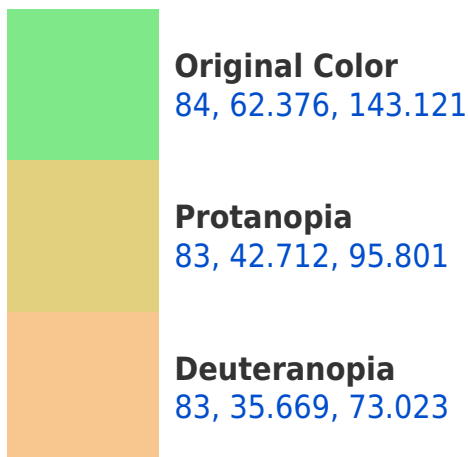


This preview shows how white text looks on a background with the CIELCh color 84, 62.376, 143.121.

# 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





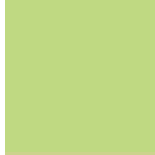


**Tritanopia**  
84, 23.742, 221.817

# Trichromacy



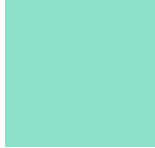
**Original Color**  
84, 62.376, 143.121



**Protanomaly**  
83, 45.902, 119.440



**Deuteranomaly**  
83, 36.441, 111.406



**Tritanomaly**  
84, 30.565, 173.810

# Monochromacy



**Original Color**  
84, 62.376, 143.121



**Achromatopsia**  
77, 0.009, 296.813



**Achromatomaly**  
79, 23.493, 145.448

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 62.376, 143.121 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(127, 232, 136)` looks like.

```
.text, #text, p{  
    color:rgb(127, 232, 136)  
}
```

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(127, 232, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 232, 136) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 62.376, 143.121 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(127, 232, 136) }
```

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

```
.border{ border-color:rgb(127, 232, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 232, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 232, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 232, 136);  
box-shadow:4px 4px 4px 4px rgb(127, 232,  
136) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 62.376, 143.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 232, 136) }
```

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

```
.background{ background-color: rgb(127,  
232, 136) }
```

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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