

# Converting Colors

CIELCh(82, 53.242, 147.807)

Have a look what the booklet for  
CIELCh(82, 53.242, 147.807)  
contains.

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**Color**

**CIELCh(82, 53.308, 147.846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EE195
RGB	126, 225, 149
RGB Percent	49%, 88%, 58%
CMY	0.5068, 0.1186, 0.4166
CMYK	0.44, 0.00, 0.34, 0.12
HSL	134°, 62%, 69%
HSV	134°, 44%, 88%
XYZ	40.8345, 60.2982, 37.8252
YIQ	186.7350, -34.6080, -44.6240

# Conversions

## Conversions Part 2

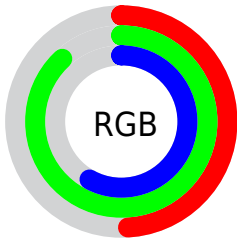
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 206, 225
Decimal	8315285
CIE <sub>Lab</sub>	82.00, -45.13, 28.37
CIE <sub>LCh</sub>	82, 53.308, 147.846
Yxy	60.2982, 0.2939, 0.4339
Android (android.graphics.Color)	4286505365 (0xFF7EE195)
YUV	186.7350, -18.6034, -53.2646
Hunter-Lab	77.6519, -42.0238, 25.4754

# Details

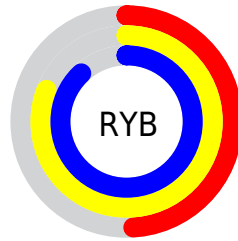
The CIELCh color **82, 53.308, 147.846** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **66, 53.496, 334.741**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 36.582, 151.681**, and **62, 53.142, 148.036** is the 20% darker color. If you saturate the color by 10%, you get **81, 64.471, 146.575**, and if you desaturate by 10%, it is **83, 41.546, 148.951**.

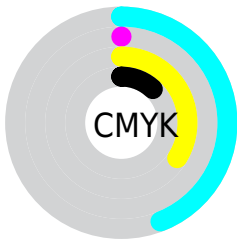
# Distribution



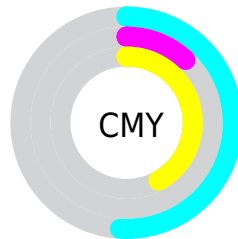
- Red (49%)
- Green (88%)
- Blue (58%)



- Red (49%)
- Yellow (81%)
- Blue (88%)



- Cyan (44%)
- Magenta (0%)
- Yellow (34%)
- Black (12%)




- Cyan (51%)
- Magenta (12%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 53.308, 147.846 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 82, 53.308, 147.846 by changing the saturation by 10% instead.





 82, 53.308,  
147.846


 82, 53.308,  
147.846


 100, 53.308,  
147.846


 72, 53.308,  
147.846

 62, 53.308,  
147.846

 52, 53.308,  
147.846

 42, 53.308,  
147.846

 32, 53.308,  
147.846

 22, 53.308,  
147.846

 12, 53.308,

147.846

■ 2, 53.308, 147.846

■ 0, 53.308, 147.846

■ 82, 53.308,  
147.846

■ 82, 53.308,  
147.846

■ 81, 64.471,  
146.575

■ 83, 41.546,  
148.951

■ 80, 74.771,  
145.133

■ 85, 29.424,  
149.908

■ 79, 83.954,  
143.529

■ 87, 17.154,  
150.738

■ 79, 91.796,  
141.805

■ 89, 4.909, 151.500

■ 79, 98.121,

■ 91, 7.182, 331.998

140.043

93, 17.787,  
327.637

78, 101.186,  
139.069

93, 18.915,  
325.081

# Harmonies

# Complementary

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



82, 53.308, 147.846



66, 53.496, 334.741

# Rectangle

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



82, 53.308, 147.846



82, 53.308, 197.846



82, 53.308, 327.846



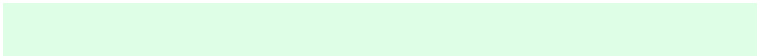
82, 53.308, 17.846

# Sweetspot

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



82, 53.309, 147.846



97, 17.580, 150.812



86, 50.955, 115.736



51, 12.313, 150.639



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



82, 53.309, 147.846



91, 70.122, 146.667



83, 35.954, 172.504



46, 6.909, 151.088



63, 83.681, 139.366



16, 31.250, 143.804



# Inverse Universe

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



66, 53.496, 334.741



69, 69.934, 335.479



64, 41.426, 2.769



44, 6.935, 332.265



40, 73.207, 340.147

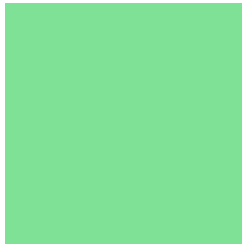


7, 30.702, 337.788



# Previews

## White Background



This preview shows how the CIELCh color 82, 53.308, 147.846 looks on a white background.

## Color Contrast Check

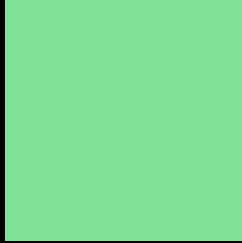
Large Text (above 18pt) WCAG AA × Fail

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 82, 53.308, 147.846 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 82, 53.308, 147.846**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 82, 53.308, 147.846.

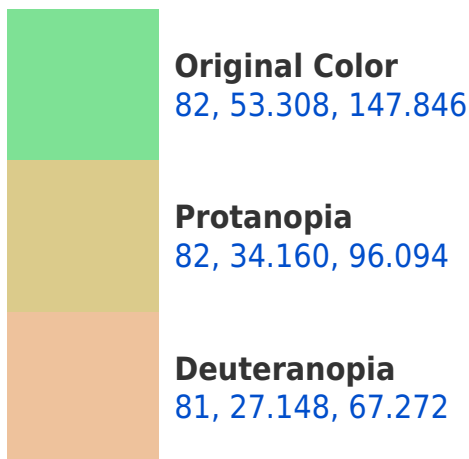


This preview shows how white text looks on a background with the CIELCh color 82, 53.308, 147.846.

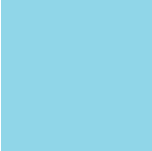
# Color Blindness Simulation

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





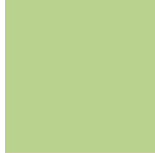


**Tritanopia**  
82, 23.520, 222.183

# Trichromacy



**Original Color**  
82, 53.308, 147.846



**Protanomaly**  
81, 36.902, 123.190



**Deuteranomaly**  
81, 27.483, 114.329



**Tritanomaly**  
82, 28.371, 179.908

# Monochromacy



**Original Color**  
82, 53.308, 147.846



**Achromatopsia**  
76, 0.009, 296.813



**Achromatomaly**  
77, 20.171, 150.070

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 53.308, 147.846 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(126, 225, 149)` looks like.

```
.text, #text, p{  
    color:rgb(126, 225, 149)  
}
```

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(126, 225, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 225, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 53.308, 147.846 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(126, 225, 149) }
```

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

```
.border{ border-color:rgb(126, 225, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 225, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 225, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 225, 149);  
box-shadow:4px 4px 4px 4px rgb(126, 225,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 53.308, 147.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 225, 149) }
```

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

```
.background{ background-color: rgb(126,  
225, 149) }
```

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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