

Converting Colors

CIELCh(84, 71.226, 141.358)

Have a look what the booklet for
CIELCh(84, 71.226, 141.358)
contains.

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Color

CIELCh(84, 70.903, 141.410)

Conversions

Conversions Part 1

Format	Color
Hex	75EA7A
RGB	117, 234, 122
RGB Percent	46%, 92%, 48%
CMY	0.5410, 0.0821, 0.5214
CMYK	0.50, 0.00, 0.48, 0.08
HSL	123°, 74%, 69%
HSV	123°, 50%, 92%
XYZ	40.2954, 64.0658, 28.6693
YIQ	186.2490, -33.7800, -59.6360

Conversions

Conversions Part 2

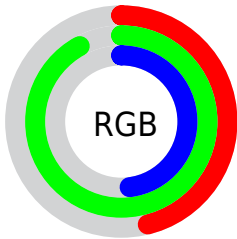
Format	Color
RYB	117, 229, 234
Decimal	7727738
CIELab	84.00, -55.42, 44.23
CIELCh	84, 70.903, 141.410
Yxy	64.0658, 0.3029, 0.4816
Android (android.graphics.Color)	4285917818 (0xFF75EA7A)
YUV	186.2490, -31.6748, -60.7314
Hunter-Lab	80.0411, -50.2089, 34.7921

Details

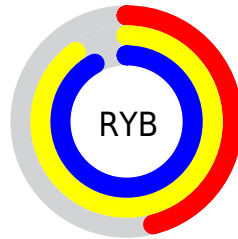
The CIELCh color **84, 70.903, 141.410** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66, 70.452, 328.330**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 49.449, 142.229**, and **64, 70.881, 141.397** is the 20% darker color. If you saturate the color by 10%, you get **83, 83.188, 140.216**, and if you desaturate by 10%, it is **85, 57.503, 142.502**.

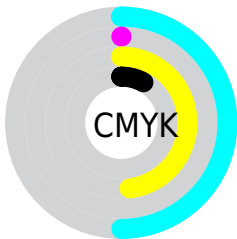
Distribution



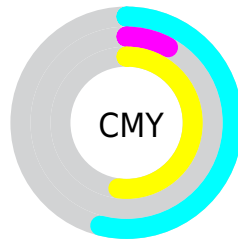
- Red (46%)
- Green (92%)
- Blue (48%)



- Red (46%)
- Yellow (90%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (48%)
- Black (8%)





- Cyan (54%)
- Magenta (8%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 70.903, 141.410 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, 70.903, 141.410 by changing the saturation by 10% instead.


 84, 70.903,
141.410

 84, 70.903,
141.410


 100, 70.903,
141.410


 74, 70.903,
141.410

 64, 70.903,
141.410

 54, 70.903,
141.410

 44, 70.903,
141.410

 34, 70.903,
141.410


 24, 70.903,
141.410


 14, 70.903,


141.410


 4, 70.903, 141.410


 0, 70.903, 141.410

 84, 70.903,
141.410


 84, 70.903,
141.410


 83, 83.188,
140.216


 85, 57.503,
142.502


 82, 93.871,
138.982


 87, 43.402,
143.466

 82, 102.424,
137.815

 89, 28.945,
144.301

 81, 108.370,
136.859

 91, 14.402,
145.022

 81, 111.554,

 93, 0.024, 312.774

136.274

95, 13.075,
324.872

81, 111.556,
136.274

Harmonies

Complementary

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



84, 70.903, 141.410



66, 70.452, 328.330

Rectangle

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



84, 70.903, 141.410



84, 70.903, 191.410



84, 70.903, 321.410



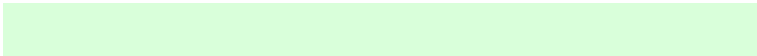
84, 70.903, 11.410

Sweetspot

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



84, 70.904, 141.410



97, 23.245, 144.669



90, 58.282, 106.993



51, 15.872, 144.514



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, 70.904, 141.410



90, 89.118, 140.181



85, 48.490, 160.098



48, 8.202, 145.057



64, 91.825, 136.370



18, 37.421, 139.018

Inverse Universe

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



66, 70.452, 328.330



68, 87.892, 328.804



64, 51.817, 351.165



46, 8.215, 326.113



43, 86.425, 330.004



9, 37.191, 329.735

Previews

White Background



This preview shows how the CIELCh color 84, 70.903, 141.410 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, 70.903, 141.410 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, 70.903, 141.410

Background



This preview shows how black text looks on a background with the CIELCh color 84, 70.903, 141.410.

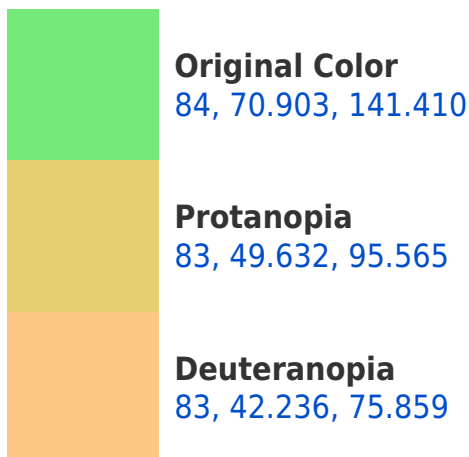


This preview shows how white text looks on a background with the CIELCh color 84, 70.903, 141.410.

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, 25.432, 220.040

Trichromacy



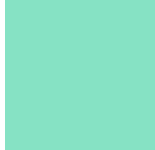
Original Color
84, 70.903, 141.410



Protanomaly
83, 52.770, 118.613



Deuteranomaly
82, 43.477, 111.746

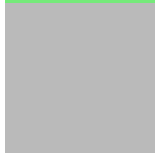


Tritanomaly
84, 34.814, 169.923

Monochromacy



Original Color
84, 70.903, 141.410



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 26.600, 144.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 70.903, 141.410 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(117, 234, 122)` looks like.

```
.text, #text, p{  
    color:rgb(117, 234, 122)  
}
```

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(117, 234, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 234, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 70.903, 141.410 is called "border". The border property can be set on classes, ids or directly on the HTML element.

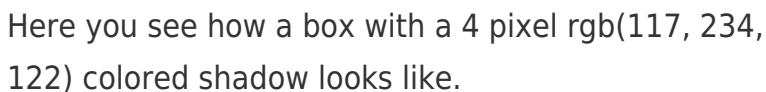
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 234, 122) }
```

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

```
.border{ border-color:rgb(117, 234, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 234, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 234, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 234, 122); box-shadow:4px 4px 4px 4px rgb(117, 234, 122) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 70.903, 141.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 234, 122) }
```

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

```
.background{ background-color: rgb(117,  
234, 122) }
```

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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