

Converting Colors

CIELCh(84, 69.767, 142.075)

Have a look what the booklet for
CIELCh(84, 69.767, 142.075)
contains.

CIELCh(84, 69.710, 142.094)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 69.710, 142.094)

Conversions

Conversions Part 1

Format	Color
Hex	75EA7D
RGB	117, 234, 125
RGB Percent	46%, 92%, 49%
CMY	0.5414, 0.0826, 0.5100
CMYK	0.50, 0.00, 0.47, 0.08
HSL	124°, 74%, 69%
HSV	124°, 50%, 92%
XYZ	40.4299, 64.0658, 29.6174
YIQ	186.5910, -34.7430, -58.7030

Conversions

Conversions Part 2

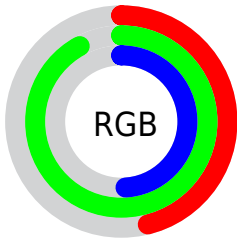
Format	Color
RYB	117, 227, 234
Decimal	7727741
CIELab	84.00, -55.00, 42.83
CIElCh	84, 69.710, 142.094
Yxy	64.0658, 0.3015, 0.4777
Android (android.graphics.Color)	4285917821 (0xFF75EA7D)
YUV	186.5910, -30.3644, -61.0313
Hunter-Lab	80.0411, -49.9090, 34.0899

Details

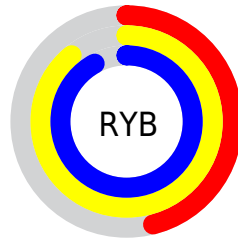
The CIELCh color **84, 69.710, 142.094** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66, 69.254, 329.145**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 48.198, 143.234**, and **64, 69.749, 142.077** is the 20% darker color. If you saturate the color by 10%, you get **83, 81.852, 140.869**, and if you desaturate by 10%, it is **85, 56.516, 143.203**.

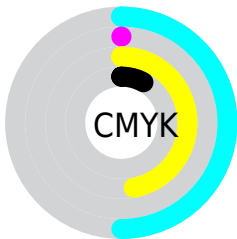
Distribution



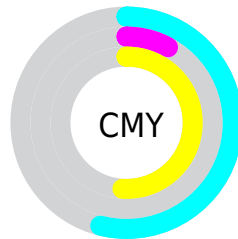
- Red (46%)
- Green (92%)
- Blue (49%)



- Red (46%)
- Yellow (89%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (47%)
- Black (8%)





- Cyan (54%)
- Magenta (8%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 69.710, 142.094 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, 69.710, 142.094 by changing the saturation by 10% instead.


 84, 69.710,
142.094

 84, 69.710,
142.094


 100, 69.710,
142.094


 74, 69.710,
142.094

 64, 69.710,
142.094

 54, 69.710,
142.094

 44, 69.710,
142.094

 34, 69.710,
142.094


 24, 69.710,
142.094

 14, 69.710,


142.094


 4, 69.710, 142.094


 0, 69.710, 142.094


 84, 69.710,
142.094


 84, 69.710,
142.094


 83, 81.852,
140.869


 85, 56.516,
143.203

 82, 92.493,
139.578


 87, 42.657,
144.178

 82, 101.157,
138.316

 89, 28.457,
145.020


 81, 107.398,
137.217

 90, 14.177,
145.748

 81, 111.024,

 93, 0.012, 172.213

136.455

 95, 13.146,
324.875

Harmonies

Complementary

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



84, 69.710, 142.094



66, 69.254, 329.145

Rectangle

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



84, 69.710, 142.094



84, 69.710, 192.094



84, 69.710, 322.094



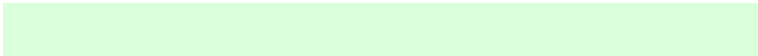
84, 69.710, 12.094

Sweetspot

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



84, 69.711, 142.094



97, 22.835, 145.393



90, 58.353, 108.555



51, 15.592, 145.236



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, 69.711, 142.094



90, 87.693, 140.835



85, 47.108, 161.956



48, 8.057, 145.785



64, 91.341, 136.588



18, 36.935, 139.481

Inverse Universe

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



66, 69.254, 329.145



68, 86.393, 329.658



64, 51.037, 353.348



46, 8.072, 326.852



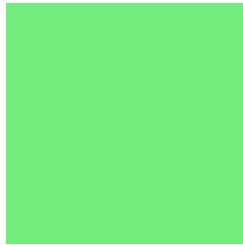
42, 84.699, 331.153



9, 36.556, 330.698

Previews

White Background



This preview shows how the CIELCh color 84, 69.710, 142.094 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, 69.710, 142.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

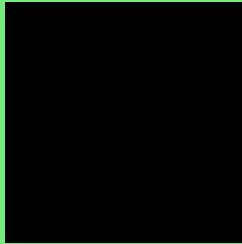
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 69.710, 142.094

Background



This preview shows how black text looks on a background with the CIELCh color 84, 69.710, 142.094.

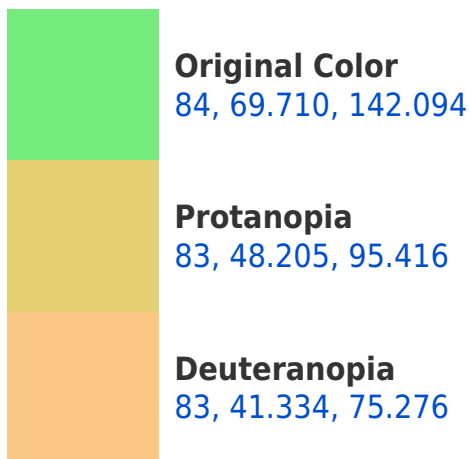


This preview shows how white text looks on a background with the CIELCh color 84, 69.710, 142.094.

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, 25.670, 219.811

Trichromacy



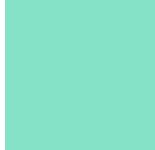
Original Color
84, 69.710, 142.094



Protanomaly
83, 51.380, 119.051



Deuteranomaly
83, 42.496, 111.946

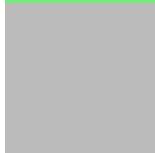


Tritanomaly
84, 34.472, 171.597

Monochromacy



Original Color
84, 69.710, 142.094



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 26.575, 144.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 69.710, 142.094 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(117, 234, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 234, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 69.710, 142.094 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, 125) }
```

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

```
.border{ border-color:rgb(117, 234, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 234, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 234, 125);  
box-shadow:4px 4px 4px 4px rgb(117, 234,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 69.710, 142.094 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, 125) }
```

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

```
.background{ background-color: rgb(117,  
234, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor