

Converting Colors

CIELCh(85, 73.675, 140.117)

Have a look what the booklet for
CIELCh(85, 73.675, 140.117)
contains.

CIELCh(85, 73.742, 140.130)	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(85, 73.742, 140.130)

Conversions

Conversions Part 1

Format	Color
Hex	77ED76
RGB	119, 237, 118
RGB Percent	47%, 93%, 46%
CMY	0.5321, 0.0694, 0.5361
CMYK	0.50, 0.00, 0.50, 0.07
HSL	119°, 77%, 70%
HSV	119°, 50%, 93%
XYZ	41.3122, 66.0070, 27.7910
YIQ	188.1520, -32.1290, -62.0250

Conversions

Conversions Part 2

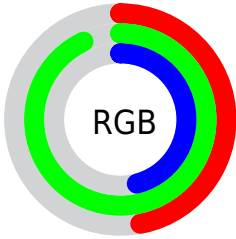
Format	Color
RYB	118, 237, 236
Decimal	7859574
CIELab	85.00, -56.60, 47.27
CIELCh	85, 73.742, 140.130
Yxy	66.0070, 0.3058, 0.4885
Android (android.graphics.Color)	4286049654 (0xFF77ED76)
YUV	188.1520, -34.5849, -60.6463
Hunter-Lab	81.2447, -51.4125, 36.5903

Details

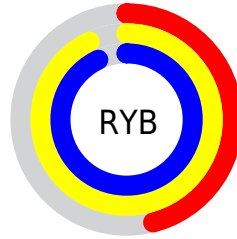
The CIELCh color **85, 73.742, 140.130** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67, 73.388, 326.799**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 50.739, 140.377**, and **65, 73.608, 140.175** is the 20% darker color. If you saturate the color by 10%, you get **84, 86.332, 139.017**, and if you desaturate by 10%, it is **86, 59.908, 141.176**.

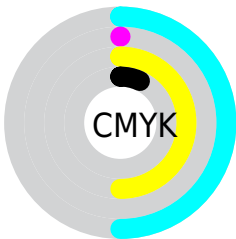
Distribution



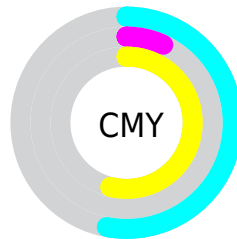
- Red (47%)
- Green (93%)
- Blue (46%)



- Red (46%)
- Yellow (93%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 73.742, 140.130 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, 73.742, 140.130 by changing the saturation by 10% instead.


 85, 73.742,
140.130


 85, 73.742,
140.130


 100, 73.742,
140.130


 75, 73.742,
140.130

 65, 73.742,
140.130

 55, 73.742,
140.130

 45, 73.742,
140.130

 35, 73.742,
140.130


 25, 73.742,
140.130


 15, 73.742,

140.130


 5, 73.742, 140.130


 0, 73.742, 140.130


 85, 73.742,
140.130


 85, 73.742,
140.130


 84, 86.332,
139.017


 86, 59.908,
141.176


 83, 97.108,
137.919


 88, 45.301,
142.112

 83, 105.449,
136.969

 90, 30.302,
142.928


 82, 110.836,
136.314

 92, 15.204,
143.633

 82, 113.395,

 94, 0.223, 145.510

135.990

 96, 11.032,
324.797

Harmonies

Complementary

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



85, 73.742, 140.130



67, 73.388, 326.799

Rectangle

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



85, 73.742, 140.130



85, 73.742, 190.130



85, 73.742, 320.130



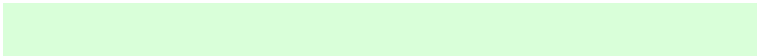
85, 73.742, 10.130

Sweetspot

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



85, 73.743, 140.130



97, 23.865, 143.299



91, 58.255, 104.638



51, 16.295, 143.148



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, 73.743, 140.130



90, 91.255, 139.008



86, 51.345, 157.462



49, 8.571, 143.677



65, 93.541, 135.980



19, 39.605, 137.665

Inverse Universe

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



67, 73.388, 326.799



68, 90.326, 327.197



65, 53.903, 348.076



47, 8.585, 324.708



43, 90.329, 327.889



10, 39.430, 327.937

Previews

White Background



This preview shows how the CIE LCh color 85, 73.742, 140.130 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, 73.742, 140.130 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

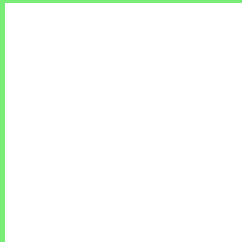
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 73.742, 140.130

Background



This preview shows how black text looks on a background with the CIELCh color 85, 73.742, 140.130.

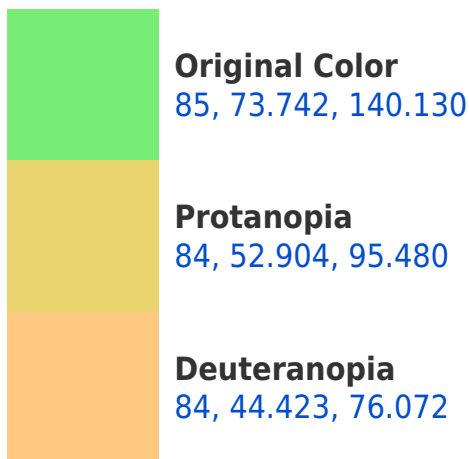


This preview shows how white text looks on a background with the CIELCh color 85, 73.742, 140.130.

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, 25.426, 219.996

Trichromacy



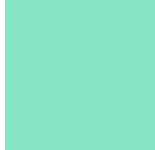
Original Color
85, 73.742, 140.130



Protanomaly
84, 56.304, 117.579



Deuteranomaly
83, 45.783, 110.287

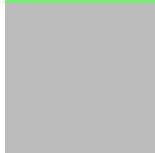


Tritanomaly
85, 35.617, 168.728

Monochromacy



Original Color
85, 73.742, 140.130



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 28.056, 143.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 73.742, 140.130 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(119, 237, 118)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 118)  
}
```

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(119, 237, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 73.742, 140.130 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(119, 237, 118) }
```

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

```
.border{ border-color:rgb(119, 237, 118) }
```

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

Here you see how a box with a 4 pixel rgb(119, 237, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 237, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 237, 118);  
box-shadow:4px 4px 4px 4px rgb(119, 237,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 73.742, 140.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 118) }
```

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

```
.background{ background-color: rgb(119,  
237, 118) }
```

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