

Converting Colors

CIELCh(83, 74.531, 140.139)

Have a look what the booklet for
CIELCh(83, 74.531, 140.139)
contains.

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Color

CIELCh(83, 74.615, 140.130)

Conversions

Conversions Part 1

Format	Color
Hex	70E870
RGB	112, 232, 112
RGB Percent	44%, 91%, 44%
CMY	0.5618, 0.0912, 0.5617
CMYK	0.52, 0.00, 0.52, 0.09
HSL	120°, 72%, 67%
HSV	120°, 52%, 91%
XYZ	38.3460, 62.1629, 25.2394
YIQ	182.4400, -33.0000, -62.7600

Conversions

Conversions Part 2

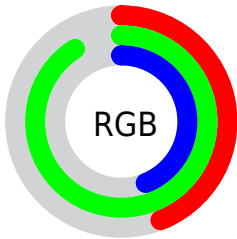
Format	Color
RYB	112, 232, 232
Decimal	7399536
CIELab	83.00, -57.27, 47.83
CIElCh	83, 74.615, 140.130
Yxy	62.1629, 0.3049, 0.4943
Android (android.graphics.Color)	4285589616 (0xFF70E870)
YUV	182.4400, -34.7269, -61.7759
Hunter-Lab	78.8435, -51.1615, 36.2105

Details

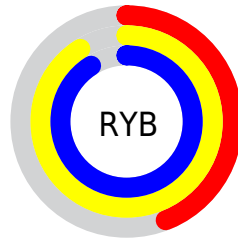
The CIELCh color **83, 74.615, 140.130** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **65, 74.144, 327.136**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 54.618, 140.569**, and **63, 74.337, 140.152** is the 20% darker color. If you saturate the color by 10%, you get **82, 86.724, 138.988**, and if you desaturate by 10%, it is **84, 61.189, 141.209**.

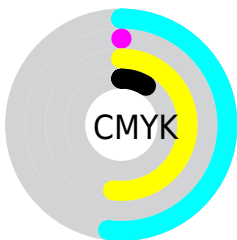
Distribution



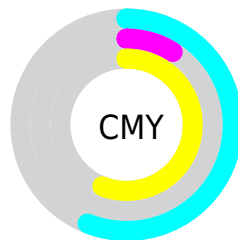
- Red (44%)
- Green (91%)
- Blue (44%)



- Red (44%)
- Yellow (91%)
- Blue (91%)



- Cyan (52%)
- Magenta (0%)
- Yellow (52%)
- Black (9%)




- Cyan (56%)
- Magenta (9%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 74.615, 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 83, 74.615, 140.130 by changing the saturation by 10% instead.


 83, 74.615,
140.130


 83, 74.615,
140.130


 100, 74.615,
140.130


 73, 74.615,
140.130

 63, 74.615,
140.130

 53, 74.615,
140.130

 43, 74.615,
140.130

 33, 74.615,
140.130

 23, 74.615,
140.130

 13, 74.615,

140.130

■ 3, 74.615, 140.130

■ 0, 74.615, 140.130

■ 83, 74.615,
140.130

■ 83, 74.615,
140.130

■ 82, 86.724,
138.988

■ 84, 61.189,
141.209

■ 81, 96.946,
137.874

■ 86, 46.926,
142.178

■ 81, 104.677,
136.927

■ 87, 32.218,
143.024

■ 81, 109.455,
136.291

■ 89, 17.368,
143.754

■ 81, 111.419,

■ 91, 2.603, 144.460

136.018

94, 11.916,
324.842

94, 14.520,
324.925

Harmonies

Complementary

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



83, 74.615, 140.130



65, 74.144, 327.136

Rectangle

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



83, 74.615, 140.130



83, 74.615, 190.130



83, 74.615, 320.130



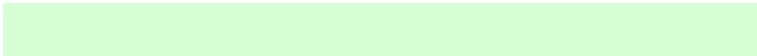
83, 74.615, 10.130

Sweetspot

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



83, 74.616, 140.130



96, 25.535, 143.453



90, 59.674, 105.268



51, 17.252, 143.302



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 74.616, 140.130



89, 93.878, 138.926



84, 51.099, 158.083



47, 8.292, 143.910



63, 91.645, 136.018



17, 36.757, 138.836

Inverse Universe

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



65, 74.144, 327.136



67, 92.712, 327.547



63, 53.974, 349.338



45, 8.304, 324.948



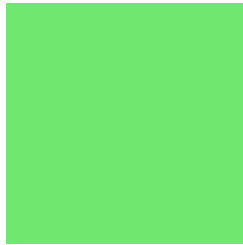
42, 88.410, 328.243



9, 37.101, 328.241

Previews

White Background



This preview shows how the CIE LCh color 83, 74.615, 140.130 looks on a white background.

Color Contrast Check

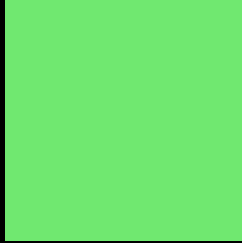
Large Text (above 18pt) WCAG AA × Fail

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 83, 74.615, 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 83, 74.615, 140.130

Background



This preview shows how black text looks on a background with the CIELCh color 83, 74.615, 140.130.

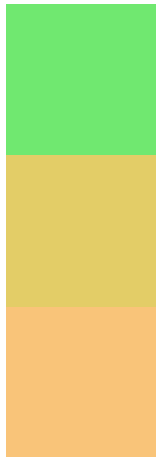


This preview shows how white text looks on a background with the CIELCh color 83, 74.615, 140.130.

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



Original Color
83, 74.615, 140.130

Protanopia
82, 53.085, 95.319

Deuteranopia
82, 45.768, 77.141

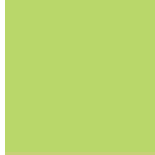


Tritanopia
83, 25.673, 219.857

Trichromacy



Original Color
83, 74.615, 140.130



Protanomaly
82, 56.571, 117.909



Deuteranomaly
81, 46.971, 111.048



Tritanomaly
82, 35.956, 168.782

Monochromacy



Original Color
83, 74.615, 140.130



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 28.872, 143.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 74.615, 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(112, 232, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 232, 112)  
}
```

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(112, 232, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 232, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 74.615, 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(112, 232, 112) }
```

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

```
.border{ border-color:rgb(112, 232, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 232, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 232, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 232, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 232,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 74.615, 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(112, 232, 112) }
```

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

```
.background{ background-color: rgb(112,  
232, 112) }
```

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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