

Converting Colors

CIELCh(84, 72.503, 136.484)

Have a look what the booklet for
CIELCh(84, 72.503, 136.484)
contains.

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Color

CIELCh(84, 72.703, 136.399)

Conversions

Conversions Part 1

Format	Color
Hex	83E96E
RGB	131, 233, 110
RGB Percent	51%, 91%, 43%
CMY	0.4872, 0.0872, 0.5695
CMYK	0.44, 0.00, 0.53, 0.09
HSL	110°, 73%, 67%
HSV	110°, 53%, 91%
XYZ	41.1939, 64.0658, 24.8822
YIQ	188.4800, -21.3090, -59.8770

Conversions

Conversions Part 2

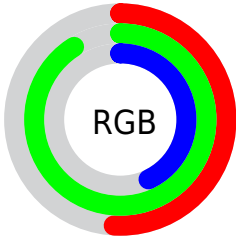
Format	Color
RYB	110, 233, 212
Decimal	8644974
CIELab	84.00, -52.65, 50.14
CIELCh	84, 72.703, 136.399
Yxy	64.0658, 0.3165, 0.4923
Android (android.graphics.Color)	4286835054 (0xFF83E96E)
YUV	188.4800, -38.6906, -50.4100
Hunter-Lab	80.0411, -48.2052, 37.5974

Details

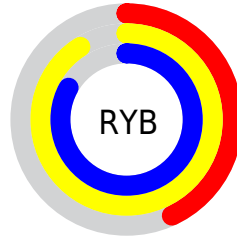
The CIELCh color **84, 72.703, 136.399** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **62, 73.791, 321.936**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 52.146, 134.717**, and **64, 72.585, 136.358** is the 20% darker color. If you saturate the color by 10%, you get **83, 84.593, 135.697**, and if you desaturate by 10%, it is **85, 59.725, 137.134**.

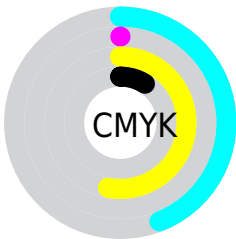
Distribution



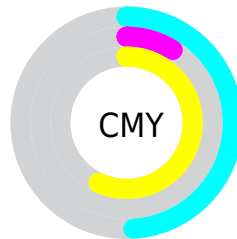
- Red (51%)
- Green (91%)
- Blue (43%)



- Red (43%)
- Yellow (91%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (53%)
- Black (9%)



- Cyan (49%)
- Magenta (9%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 72.703, 136.399 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, 72.703, 136.399 by changing the saturation by 10% instead.

 84, 72.703,
136.399

 84, 72.703,
136.399

 100, 72.703,
136.399

 74, 72.703,
136.399

 64, 72.703,
136.399

 54, 72.703,
136.399

 44, 72.703,
136.399

 34, 72.703,
136.399

 24, 72.703,
136.399

 14, 72.703,

136.399

■ 4, 72.703, 136.399

■ 0, 72.703, 136.399

■ 84, 72.703,
136.399

■ 84, 72.703,
136.399

■ 83, 84.593,
135.697

■ 85, 59.725,
137.134

■ 82, 94.853,
135.126

■ 87, 46.081,
137.840

■ 82, 102.870,
134.816

■ 88, 32.089,
138.488

■ 81, 108.149,
134.882

■ 90, 17.986,
139.067

■ 81, 110.400,

■ 92, 3.944, 139.616

135.096

■ 94, 9.915, 319.962

■ 95, 13.887,
324.902

Harmonies

Complementary

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



84, 72.703, 136.399



62, 73.791, 321.936

Rectangle

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



84, 72.703, 136.399



84, 72.703, 186.399



84, 72.703, 316.399



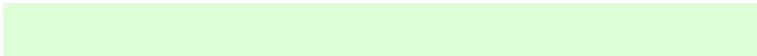
84, 72.703, 6.399

Sweetspot

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



84, 72.704, 136.400



97, 24.173, 138.887



84, 52.248, 95.145



51, 16.331, 138.768



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, 72.704, 136.400



90, 91.209, 135.666



84, 60.863, 149.767



48, 7.996, 139.249



64, 91.309, 134.964



19, 36.810, 135.466

Inverse Universe

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



62, 73.791, 321.936



63, 92.401, 322.199



64, 61.353, 339.292



46, 8.036, 320.095



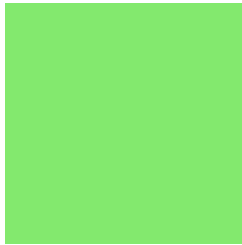
38, 90.691, 321.759



7, 38.615, 322.623

Previews

White Background



This preview shows how the CIELCh color 84, 72.703, 136.399 looks on a white background.

Color Contrast Check

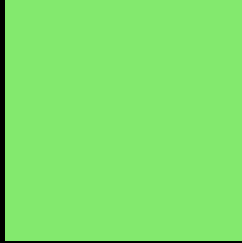
Large Text (above 18pt) WCAG AA × Fail

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, 72.703, 136.399 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

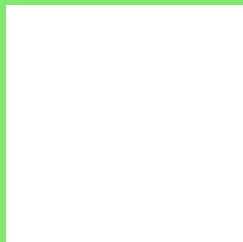
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 72.703, 136.399

Background



This preview shows how black text looks on a background with the CIELCh color 84, 72.703, 136.399.

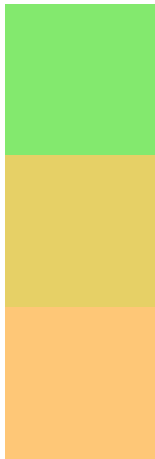


This preview shows how white text looks on a background with the CIELCh color 84, 72.703, 136.399.

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
84, 72.703, 136.399

Protanopia
83, 54.835, 95.547

Deuteranopia
84, 48.343, 77.487



Tritanopia
84, 22.014, 223.927

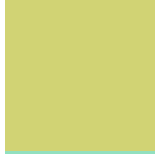
Trichromacy



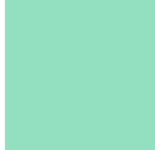
Original Color
84, 72.703, 136.399



Protanomaly
83, 57.274, 114.814



Deuteranomaly
83, 48.651, 106.859

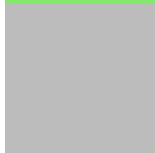


Tritanomaly
84, 32.282, 164.544

Monochromacy



Original Color
84, 72.703, 136.399



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 27.323, 138.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 72.703, 136.399 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(131, 233, 110)` looks like.

```
.text, #text, p{  
    color:rgb(131, 233, 110)  
}
```

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(131, 233, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 233, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 72.703, 136.399 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(131, 233, 110) }
```

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

```
.border{ border-color:rgb(131, 233, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 233, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 233, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 233, 110);  
box-shadow:4px 4px 4px 4px rgb(131, 233,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 72.703, 136.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 233, 110) }
```

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

```
.background{ background-color: rgb(131,  
233, 110) }
```

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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