

Converting Colors

CIELCh(84, 86.657, 142.326)

Have a look what the booklet for
CIELCh(84, 86.657, 142.326)
contains.

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Color

CIELCh(84, 86.713, 142.393)

Conversions

Conversions Part 1

Format	Color
Hex	4CEF67
RGB	76, 239, 103
RGB Percent	30%, 94%, 40%
CMY	0.7034, 0.0638, 0.5971
CMYK	0.68, 0.00, 0.57, 0.06
HSL	130°, 83%, 62%
HSV	130°, 68%, 94%
XYZ	36.1721, 64.0658, 23.2247
YIQ	174.7590, -53.4920, -76.8520

Conversions

Conversions Part 2

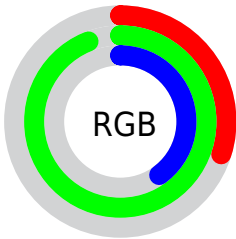
Format	Color
RYB	76, 216, 239
Decimal	5042023
CIELab	84.00, -68.70, 52.92
CIELCh	84, 86.713, 142.393
Yxy	64.0658, 0.2930, 0.5189
Android (android.graphics.Color)	4283232103 (0xFF4CEF67)
YUV	174.7590, -35.3772, -86.6116
Hunter-Lab	80.0411, -59.4043, 38.8252

Details

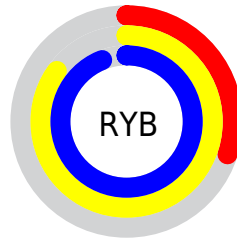
The CIELCh color **84, 86.713, 142.393** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **60, 84.283, 333.827**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 63.681, 144.383**, and **65, 84.001, 140.274** is the 20% darker color. If you saturate the color by 10%, you get **83, 95.935, 140.850**, and if you desaturate by 10%, it is **85, 75.999, 143.838**.

Distribution



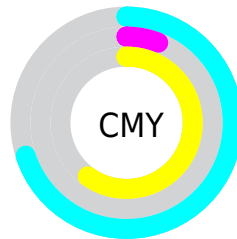
- Red (30%)
- Green (94%)
- Blue (40%)



- Red (30%)
- Yellow (85%)
- Blue (94%)



- Cyan (68%)
- Magenta (0%)
- Yellow (57%)
- Black (6%)





- Cyan (70%)
- Magenta (6%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 86.713, 142.393 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, 86.713, 142.393 by changing the saturation by 10% instead.

 84, 86.713,
142.393

 84, 86.713,
142.393


 100, 86.713,
142.393


 74, 86.713,
142.393

 64, 86.713,
142.393

 54, 86.713,
142.393

 44, 86.713,
142.393

 34, 86.713,
142.393

 24, 86.713,
142.393

 14, 86.713,

142.393

■ 4, 86.713, 142.393

■ 0, 86.713, 142.393

■ 84, 86.713,
142.393

■ 84, 86.713,
142.393

■ 83, 95.935,
140.850

■ 85, 75.999,
143.838

■ 83, 103.354,
139.293

■ 86, 64.122,
145.140

■ 83, 108.755,
137.864


■ 87, 51.414,
146.284

■ 83, 109.487,
137.667


■ 89, 38.180,
147.277

■ 91, 24.688,

148.133

 93, 11.154,
148.880

 95, 2.253, 329.324

 96, 10.148,
324.764

Harmonies

Complementary

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



84, 86.713, 142.393



60, 84.283, 333.827

Rectangle

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



84, 86.713, 142.393



84, 86.713, 192.393



84, 86.713, 322.393



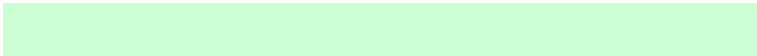
84, 86.713, 12.393

Sweetspot

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



84, 86.714, 142.393



96, 28.450, 147.991



90, 77.757, 111.495



50, 19.417, 147.757



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, 86.714, 142.393



88, 104.189, 140.226



85, 57.216, 164.208



49, 7.653, 148.797



65, 89.406, 137.909



19, 36.438, 140.959

Inverse Universe

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



60, 84.283, 333.827



60, 97.732, 334.847



57, 66.375, 3.616



47, 7.673, 329.927



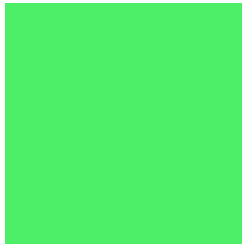
42, 79.317, 336.166



9, 35.244, 334.887

Previews

White Background



This preview shows how the CIELCh color 84, 86.713, 142.393 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, 86.713, 142.393 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

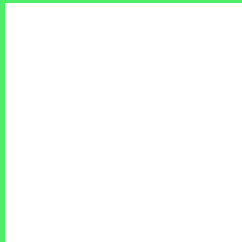
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 86.713, 142.393

Background



This preview shows how black text looks on a background with the CIELCh color 84, 86.713, 142.393.

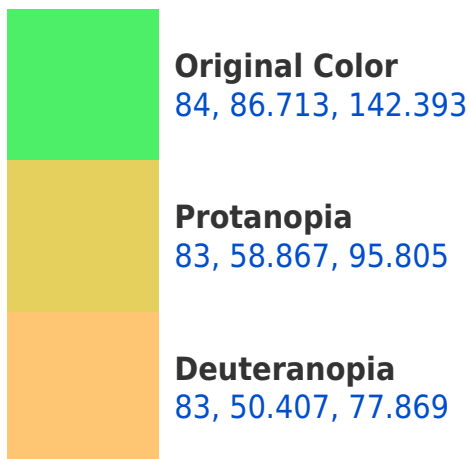


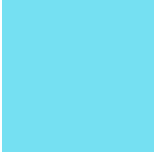
This preview shows how white text looks on a background with the CIELCh color 84, 86.713, 142.393.

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



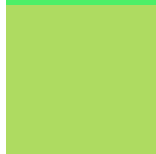


Tritanopia
84, 31.857, 215.008

Trichromacy



Original Color
84, 86.713, 142.393



Protanomaly
82, 63.768, 121.590



Deuteranomaly
82, 53.369, 116.209

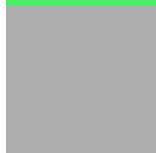


Tritanomaly
83, 44.940, 169.809

Monochromacy



Original Color
84, 86.713, 142.393



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 35.076, 147.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 86.713, 142.393 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(76, 239, 103)` looks like.

```
.text, #text, p{  
    color:rgb(76, 239, 103)  
}
```

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(76, 239, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 239, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 86.713, 142.393 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(76, 239, 103) }
```

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

```
.border{ border-color:rgb(76, 239, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 239, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 239, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 239, 103);  
box-shadow:4px 4px 4px 4px rgb(76, 239,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 86.713, 142.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 239, 103) }
```

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

```
.background{ background-color: rgb(76, 239,  
103) }
```

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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