

Converting Colors

CIELCh(84, 85.868, 141.005)

Have a look what the booklet for
CIELCh(84, 85.868, 141.005)
contains.

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Color

CIELCh(84, 86.058, 140.978)

Conversions

Conversions Part 1

Format	Color
Hex	56EE64
RGB	86, 238, 100
RGB Percent	34%, 93%, 39%
CMY	0.6626, 0.0665, 0.6077
CMYK	0.64, 0.00, 0.58, 0.07
HSL	126°, 82%, 64%
HSV	126°, 64%, 93%
XYZ	36.7249, 64.0658, 22.4933
YIQ	176.8200, -46.2940, -75.1420

Conversions

Conversions Part 2

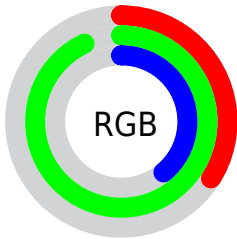
Format	Color
RYB	86, 225, 238
Decimal	5697124
CIELab	84.00, -66.86, 54.18
CIELCh	84, 86.058, 140.978
Yxy	64.0658, 0.2979, 0.5197
Android (android.graphics.Color)	4283887204 (0xFF56EE64)
YUV	176.8200, -37.8723, -79.6491
Hunter-Lab	80.0411, -58.1715, 39.3670

Details

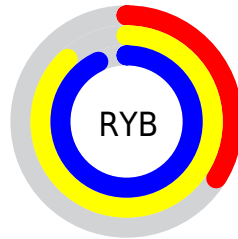
The CIELCh color **84, 86.058, 140.978** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **62, 84.356, 330.663**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 63.389, 142.031**, and **64, 84.726, 139.732** is the 20% darker color. If you saturate the color by 10%, you get **83, 96.120, 139.625**, and if you desaturate by 10%, it is **85, 74.391, 142.273**.

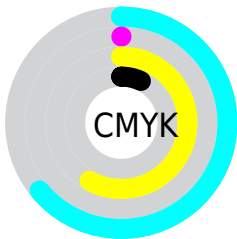
Distribution



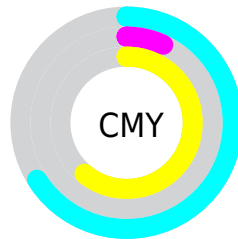
- Red (34%)
- Green (93%)
- Blue (39%)



- Red (34%)
- Yellow (88%)
- Blue (93%)



- Cyan (64%)
- Magenta (0%)
- Yellow (58%)
- Black (7%)



- Cyan (66%)
- Magenta (7%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 86.058, 140.978 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, 86.058, 140.978 by changing the saturation by 10% instead.

 84, 86.058,
140.978

 84, 86.058,
140.978

 100, 86.058,
140.978

 74, 86.058,
140.978

 64, 86.058,
140.978

 54, 86.058,
140.978

 44, 86.058,
140.978

 34, 86.058,
140.978

 24, 86.058,
140.978

 14, 86.058,

140.978

■ 4, 86.058, 140.978

■ 0, 86.058, 140.978

■ 84, 86.058,
140.978

■ 84, 86.058,
140.978

■ 83, 96.120,
139.625

■ 85, 74.391,
142.273

■ 83, 104.132,
138.312

■ 86, 61.548,
143.451

■ 83, 109.717,
137.176

■ 88, 47.922,
144.490

■ 82, 111.923,
136.662


■ 89, 33.850,
145.391

■ 91, 19.610,

146.167

 93, 5.415, 146.866

 96, 8.574, 327.329

 96, 10.582,
324.780

Harmonies

Complementary

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



84, 86.058, 140.978



62, 84.356, 330.663

Rectangle

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



84, 86.058, 140.978



84, 86.058, 190.978



84, 86.058, 320.978



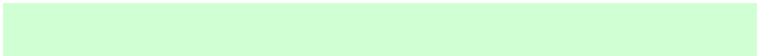
84, 86.058, 10.978

Sweetspot

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



84, 86.059, 140.978



96, 28.489, 145.777



91, 73.144, 108.437



51, 19.618, 145.549



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, 86.059, 140.978



88, 104.424, 139.164



85, 57.824, 160.768



49, 8.067, 146.475



65, 91.774, 136.822



19, 37.868, 139.479

Inverse Universe

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



62, 84.356, 330.663



62, 100.102, 331.320



59, 63.753, 357.353



47, 8.082, 327.557



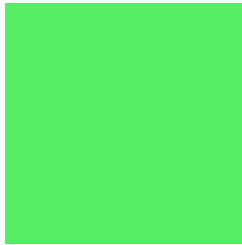
43, 84.008, 332.271



10, 37.042, 331.660

Previews

White Background



This preview shows how the CIELCh color 84, 86.058, 140.978 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, 86.058, 140.978 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, 86.058, 140.978

Background



This preview shows how black text looks on a background with the CIELCh color 84, 86.058, 140.978.

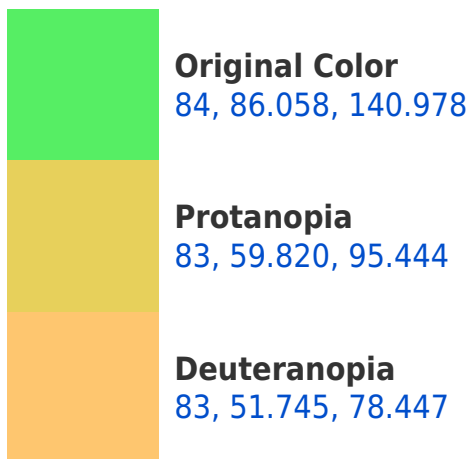


This preview shows how white text looks on a background with the CIELCh color 84, 86.058, 140.978.

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, 30.189, 216.116

Trichromacy



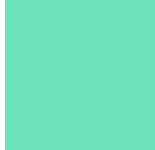
Original Color
84, 86.058, 140.978



Protanomaly
82, 64.558, 119.874



Deuteranomaly
82, 54.451, 114.177

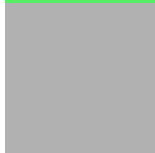


Tritanomaly
83, 43.146, 168.729

Monochromacy



Original Color
84, 86.058, 140.978



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 33.929, 145.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 86.058, 140.978 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(86, 238, 100)` looks like.

```
.text, #text, p{  
    color:rgb(86, 238, 100)  
}
```

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(86, 238, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 238, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 86.058, 140.978 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(86, 238, 100) }
```

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

```
.border{ border-color:rgb(86, 238, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 238, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 238, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 238, 100);  
box-shadow:4px 4px 4px 4px rgb(86, 238,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 86.058, 140.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 238, 100) }
```

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

```
.background{ background-color: rgb(86, 238,  
100) }
```

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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