

Converting Colors

CIELCh(86, 81.300, 143.754)

Have a look what the booklet for
CIELCh(86, 81.300, 143.754)
contains.

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Color

CIELCh(86, 81.467, 143.819)

Conversions

Conversions Part 1

Format	Color
Hex	5AF477
RGB	90, 244, 119
RGB Percent	35%, 96%, 47%
CMY	0.6485, 0.0444, 0.5345
CMYK	0.63, 0.00, 0.51, 0.04
HSL	131°, 87%, 65%
HSV	131°, 63%, 96%
XYZ	39.7457, 67.9871, 28.3888
YIQ	183.7040, -51.6590, -71.5230

Conversions

Conversions Part 2

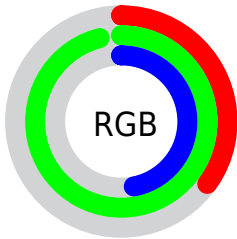
Format	Color
RYB	90, 220, 244
Decimal	5960823
CIELab	86.00, -65.76, 48.09
CIELCh	86, 81.467, 143.819
Yxy	67.9871, 0.2920, 0.4995
Android (android.graphics.Color)	4284150903 (0xFF5AF477)
YUV	183.7040, -31.8991, -82.1784
Hunter-Lab	82.4543, -58.2522, 37.3046

Details

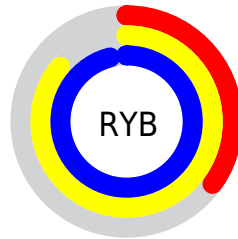
The CIELCh color **86, 81.467, 143.819** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **63, 79.955, 334.416**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 55.113, 146.833**, and **66, 80.304, 142.943** is the 20% darker color. If you saturate the color by 10%, you get **85, 91.557, 142.279**, and if you desaturate by 10%, it is **87, 70.090, 145.220**.

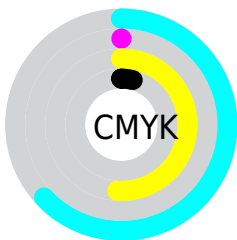
Distribution



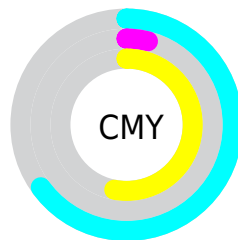
- Red (35%)
- Green (96%)
- Blue (47%)



- Red (35%)
- Yellow (86%)
- Blue (96%)



- Cyan (63%)
- Magenta (0%)
- Yellow (51%)
- Black (4%)





- Cyan (65%)
- Magenta (4%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 81.467, 143.819 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 86, 81.467, 143.819 by changing the saturation by 10% instead.


 86, 81.467,
143.819


 86, 81.467,
143.819


 100, 81.467,
143.819


 76, 81.467,
143.819


 66, 81.467,
143.819

 56, 81.467,
143.819

 46, 81.467,
143.819

 36, 81.467,
143.819


 26, 81.467,
143.819


 16, 81.467,


143.819


 6, 81.467, 143.819


 0, 81.467, 143.819


 86, 81.467,
143.819


 86, 81.467,
143.819

 85, 91.557,
142.279


 87, 70.090,
145.220

 85, 100.060,
140.652

 88, 57.740,
146.458

 84, 106.723,
139.039

 90, 44.727,
147.537

 84, 110.164,
138.058

 91, 31.332,
148.468

 93, 17.793,

149.274

 95, 4.302, 150.023

 97, 7.050, 324.643

Harmonies

Complementary

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



86, 81.467, 143.819



63, 79.955, 334.416

Rectangle

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



86, 81.467, 143.819



86, 81.467, 193.819



86, 81.467, 323.819



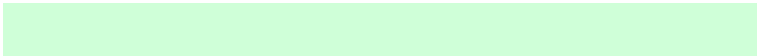
86, 81.467, 13.819

Sweetspot

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



86, 81.468, 143.819



96, 26.583, 148.819



92, 74.716, 113.256



51, 18.303, 148.580



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 81.468, 143.819



89, 97.551, 141.802



87, 53.168, 167.349



50, 7.661, 149.550



66, 89.436, 138.324



21, 37.277, 141.120

Inverse Universe

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



63, 79.955, 334.416



61, 93.054, 335.434



60, 63.016, 4.742



48, 7.684, 330.701



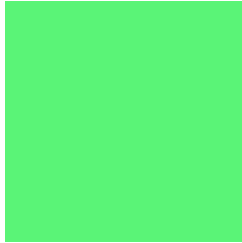
42, 78.769, 337.489



10, 35.689, 336.040

Previews

White Background



This preview shows how the CIE LCh color 86, 81.467, 143.819 looks on a white background.

Color Contrast Check

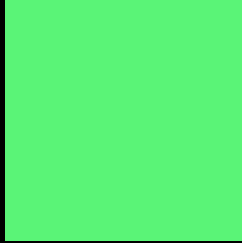
Large Text (above 18pt) WCAG AA × Fail

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 86, 81.467, 143.819 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

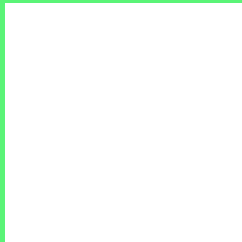
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 81.467, 143.819

Background



This preview shows how black text looks on a background with the CIELCh color 86, 81.467, 143.819.

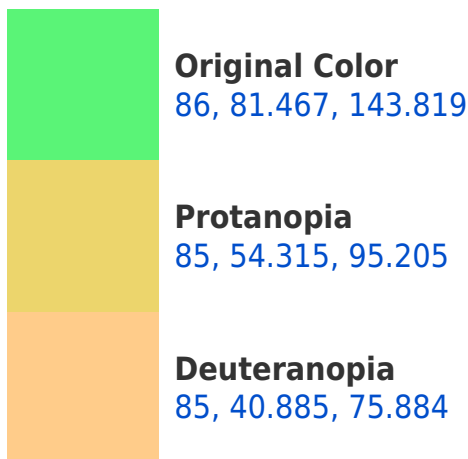


This preview shows how white text looks on a background with the CIELCh color 86, 81.467, 143.819.

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
86, 31.303, 215.297

Trichromacy



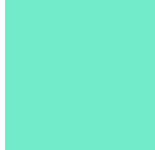
Original Color
86, 81.467, 143.819



Protanomaly
84, 58.821, 121.689



Deuteranomaly
84, 45.594, 118.017

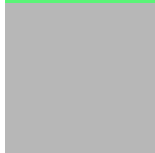


Tritanomaly
86, 42.710, 171.795

Monochromacy



Original Color
86, 81.467, 143.819



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 31.846, 148.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 81.467, 143.819 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(90, 244, 119)` looks like.

```
.text, #text, p{  
    color:rgb(90, 244, 119)  
}
```

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(90, 244, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 244, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 81.467, 143.819 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(90, 244, 119) }
```

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

```
.border{ border-color:rgb(90, 244, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 244, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 244, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 244, 119);  
box-shadow:4px 4px 4px 4px rgb(90, 244,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 81.467, 143.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 244, 119) }
```

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

```
.background{ background-color: rgb(90, 244,  
119) }
```

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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