

Converting Colors

CIELCh(85, 80.929, 125.288)

Have a look what the booklet for
CIELCh(85, 80.929, 125.288)
contains.

| | |
|--|----|
| CIELCh(85, 80.930, 125.289) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 24 |
| <i>CSS Examples</i> | 27 |

Color

CIELCh(85, 80.930, 125.289)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 9FE94C |
| RGB | 159, 233, 76 |
| RGB Percent | 62%, 91%, 30% |
| CMY | 0.3774, 0.0872, 0.7029 |
| CMYK | 0.32, 0.00, 0.67, 0.09 |
| HSL | 88°, 78%, 60% |
| HSV | 88°, 67%, 91% |
| XYZ | 44.6178, 66.0070, 17.1828 |
| YIQ | 192.9760, 6.2930, -64.5150 |

Conversions

Conversions Part 2

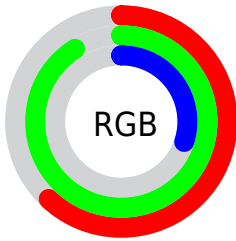
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 76, 233, 150 |
| Decimal | 10479948 |
| CIELab | 85.00, -46.75, 66.06 |
| CIELCh | 85, 80.930, 125.289 |
| Yxy | 66.0070, 0.3491, 0.5165 |
| Android (android.graphics.Color) | 4288670028 (0xFF9FE94C) |
| YUV | 192.9760, -57.6692, -29.7970 |
| Hunter-Lab | 81.2447, -44.1500, 44.3318 |

Details

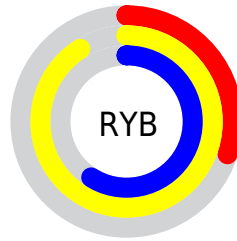
The CIELCh color **85, 80.930, 125.289** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **49, 90.518, 311.591**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 62.308, 119.083**, and **65, 80.859, 125.243** is the 20% darker color. If you saturate the color by 10%, you get **84, 89.603, 125.415**, and if you desaturate by 10%, it is **86, 70.653, 125.464**.

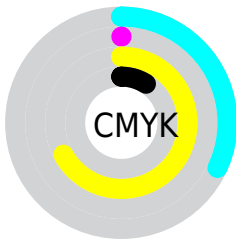
Distribution



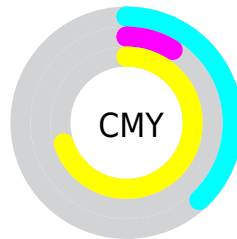
- Red (62%)
- Green (91%)
- Blue (30%)



- Red (30%)
- Yellow (91%)
- Blue (59%)



- Cyan (32%)
- Magenta (0%)
- Yellow (67%)
- Black (9%)




- Cyan (38%)
- Magenta (9%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 80.930, 125.289 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 85, 80.930, 125.289 by changing the saturation by 10% instead.


 85, 80.930,
125.289

 85, 80.930,
125.289


 100, 80.930,
125.289


 75, 80.930,
125.289


 65, 80.930,
125.289

 55, 80.930,
125.289

 45, 80.930,
125.289

 35, 80.930,
125.289

 25, 80.930,
125.289

 15, 80.930,

125.289

■ 5, 80.930, 125.289

■ 0, 80.930, 125.289

■ 85, 80.930,
125.289

■ 85, 80.930,
125.289

■ 84, 89.603,
125.415

■ 86, 70.653,
125.464

■ 84, 96.128,
125.967

■ 87, 59.292,
125.819

■ 83, 100.253,
127.015

■ 88, 47.251,
126.270

■ 83, 101.101,
127.309


■ 89, 34.811,
126.760


■ 90, 22.167,

127.255

 91, 9.452, 127.738

 93, 3.241, 308.135

 94, 12.476,
313.474

 95, 13.884,
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.



85, 80.930, 125.289



49, 90.518, 311.591

Rectangle

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



85, 80.930, 125.289



85, 80.930, 175.289



85, 80.930, 305.289



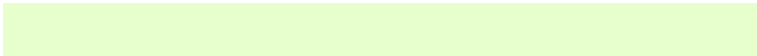
85, 80.930, 355.289

Sweetspot

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



85, 80.931, 125.290



97, 27.353, 127.124



69, 56.542, 63.658



51, 18.654, 126.985



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 80.931, 125.290



91, 99.072, 125.576



82, 92.492, 137.852



49, 7.257, 127.641



66, 83.553, 127.041



19, 33.443, 126.239

Inverse Universe

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



49, 90.518, 311.591



46, 113.305, 311.849



59, 91.370, 326.639



45, 7.364, 308.491



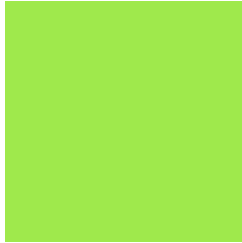
28, 97.070, 311.282



4, 37.530, 310.652

Previews

White Background



This preview shows how the CIELCh color 85, 80.930, 125.289 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 85, 80.930, 125.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

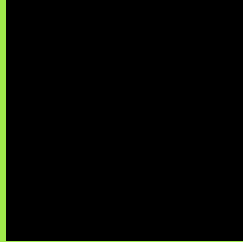
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 80.930, 125.289

Background



This preview shows how black text looks on a background with the CIELCh color 85, 80.930, 125.289.

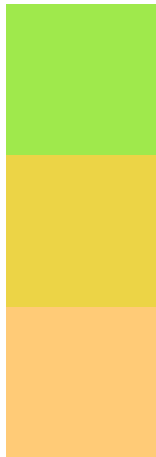


This preview shows how white text looks on a background with the CIELCh color 85, 80.930, 125.289.

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
85, 80.930, 125.289

Protanopia
85, 69.951, 95.595

Deuteranopia
85, 49.309, 79.715



Tritanopia
85, 15.203, 234.943

Trichromacy



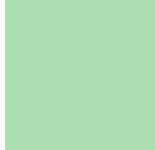
Original Color
85, 80.930, 125.289



Protanomaly
85, 71.533, 108.165



Deuteranomaly
84, 56.116, 102.704

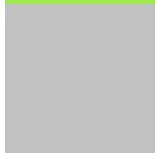


Tritanomaly
84, 30.648, 145.656

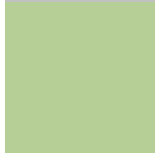
Monochromacy



Original Color
85, 80.930, 125.289



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 31.633, 126.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 80.930, 125.289 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(159, 233, 76)` looks like.

```
.text, #text, p{  
    color:rgb(159, 233, 76)  
}
```

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(159, 233, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 233, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 80.930, 125.289 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(159, 233, 76) }
```

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

```
.border{ border-color:rgb(159, 233, 76) }
```

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

Here you see how a box with a 4 pixel rgb(159, 233, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 233, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 233, 76);  
box-shadow:4px 4px 4px 4px rgb(159, 233,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 80.930, 125.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 233, 76) }
```

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

```
.background{ background-color: rgb(159,  
233, 76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor