

Converting Colors

CIELCh(85, 98.800, 130.798)

Have a look what the booklet for
CIELCh(85, 98.800, 130.798)
contains.

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Color

CIELCh(85, 98.898, 130.862)

Conversions

Conversions Part 1

Format	Color
Hex	74F02F
RGB	116, 240, 47
RGB Percent	45%, 94%, 18%
CMY	0.5466, 0.0602, 0.8174
CMYK	0.52, 0.00, 0.81, 0.06
HSL	99°, 86%, 56%
HSV	99°, 81%, 94%
XYZ	38.7161, 66.0070, 13.3437
YIQ	180.9220, -11.9510, -86.3110

Conversions

Conversions Part 2

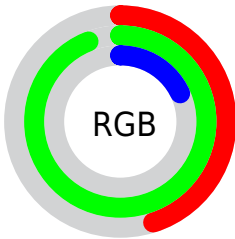
Format	Color
RYB	47, 240, 171
Decimal	7663663
CIELab	85.00, -64.70, 74.80
CIELCh	85, 98.898, 130.862
Yxy	66.0070, 0.3279, 0.5591
Android (android.graphics.Color)	4285853743 (0xFF74F02F)
YUV	180.9220, -66.0235, -56.9366
Hunter-Lab	81.2447, -57.1164, 47.1334

Details

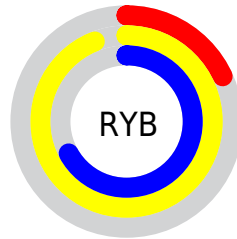
The CIELCh color **85, 98.898, 130.862** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **48, 105.454, 316.455**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 76.604, 127.582**, and **65, 90.935, 134.036** is the 20% darker color. If you saturate the color by 10%, you get **84, 105.155, 131.371**, and if you desaturate by 10%, it is **86, 90.190, 130.787**.

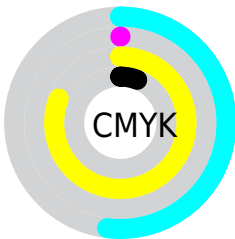
Distribution



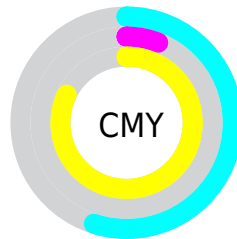
- Red (45%)
- Green (94%)
- Blue (18%)



- Red (18%)
- Yellow (94%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (81%)
- Black (6%)





- Cyan (55%)
- Magenta (6%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 98.898, 130.862 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, 98.898, 130.862 by changing the saturation by 10% instead.


 85, 98.898,
130.862


 85, 98.898,
130.862


 100, 98.898,
130.862


 75, 98.898,
130.862

 65, 98.898,
130.862

 55, 98.898,
130.862

 45, 98.898,
130.862

 35, 98.898,
130.862

 25, 98.898,
130.862

 15, 98.898,

130.862

■ 5, 98.898, 130.862

■ 0, 98.898, 130.862

■ 85, 98.898,
130.862

■ 85, 98.898,
130.862

■ 84, 105.155,
131.371

■ 86, 90.190,
130.787

■ 84, 108.854,
132.212


■ 87, 79.570,
131.020

■ 88, 67.621,
131.435

■ 89, 54.820,
131.935

■ 90, 41.518,

132.457

 91, 27.965,
132.965

 93, 14.335,
133.443

 95, 0.755, 134.107

 96, 9.405, 323.293

Harmonies

Complementary

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



85, 98.898, 130.862



48, 105.454, 316.455

Rectangle

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



85, 98.898, 130.862



85, 98.898, 180.862



85, 98.898, 310.862



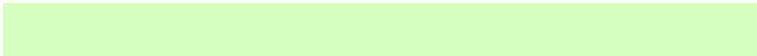
85, 98.898, 0.862

Sweetspot

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



85, 98.898, 130.863



96, 34.318, 132.789



74, 70.095, 76.633



51, 23.567, 132.607



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, 98.898, 130.863



89, 113.087, 131.979



84, 100.015, 139.668



49, 7.706, 133.494



66, 88.893, 131.974



20, 36.614, 131.288

Inverse Universe

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



48, 105.454, 316.455



46, 120.260, 315.625



57, 94.618, 333.222



47, 7.782, 314.263



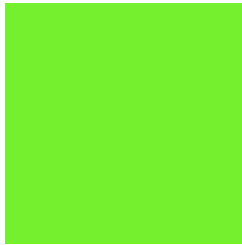
32, 94.609, 315.615



6, 40.046, 316.645

Previews

White Background



This preview shows how the CIE LCh color 85, 98.898, 130.862 looks on a white background.

Color Contrast Check

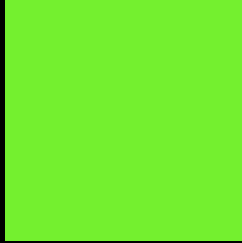
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 98.898, 130.862 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

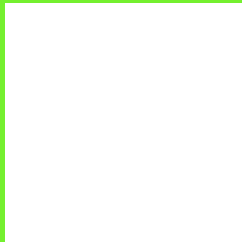
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 98.898, 130.862

Background



This preview shows how black text looks on a background with the CIELCh color 85, 98.898, 130.862.

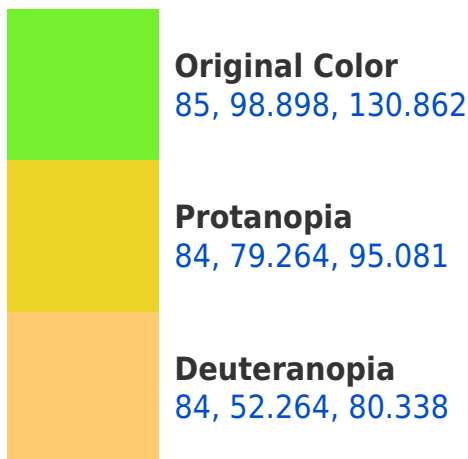


This preview shows how white text looks on a background with the CIELCh color 85, 98.898, 130.862.

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
85, 24.706, 220.731

Trichromacy



Original Color
85, 98.898, 130.862



Protanomaly
84, 81.939, 111.639



Deuteranomaly
83, 63.663, 109.225

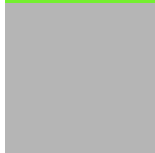


Tritanomaly
84, 45.156, 153.324

Monochromacy



Original Color
85, 98.898, 130.862



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 40.919, 132.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 98.898, 130.862 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(116, 240, 47)` looks like.

```
.text, #text, p{  
    color:rgb(116, 240, 47)  
}
```

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(116, 240, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 240, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 98.898, 130.862 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(116, 240, 47) }
```

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

```
.border{ border-color:rgb(116, 240, 47) }
```

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

Here you see how a box with a 4 pixel rgb(116, 240, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 240, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 240, 47);  
box-shadow:4px 4px 4px 4px rgb(116, 240,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 98.898, 130.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 240, 47) }
```

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

```
.background{ background-color: rgb(116,  
240, 47) }
```

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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