

Converting Colors

CIELCh(81, 90.024, 134.953)

Have a look what the booklet for
CIELCh(81, 90.024, 134.953)
contains.

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Color

CIELCh(81, 89.971, 134.919)

Conversions

Conversions Part 1

Format	Color
Hex	63E445
RGB	99, 228, 69
RGB Percent	39%, 89%, 27%
CMY	0.6124, 0.1065, 0.7300
CMYK	0.57, 0.00, 0.70, 0.11
HSL	109°, 75%, 58%
HSV	109°, 70%, 89%
XYZ	33.8961, 58.4711, 15.1042
YIQ	171.3030, -25.8450, -76.7970

Conversions

Conversions Part 2

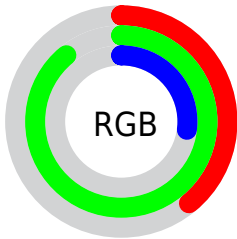
Format	Color
RYB	69, 228, 198
Decimal	6546501
CIELab	81.00, -63.53, 63.71
CIELCh	81, 89.971, 134.919
Yxy	58.4711, 0.3154, 0.5441
Android (android.graphics.Color)	4284736581 (0xFF63E445)
YUV	171.3030, -50.4354, -63.4097
Hunter-Lab	76.4664, -54.6904, 41.8151

Details

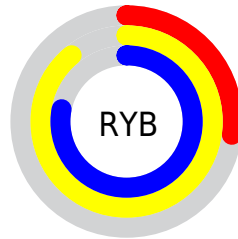
The CIELCh color **81, 89.971, 134.919** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **54, 91.293, 321.718**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 73.378, 133.759**, and **61, 88.314, 135.631** is the 20% darker color. If you saturate the color by 10%, you get **80, 98.627, 134.566**, and if you desaturate by 10%, it is **82, 79.333, 135.500**.

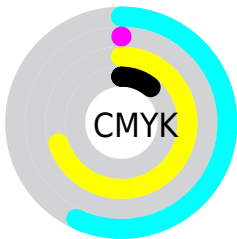
Distribution



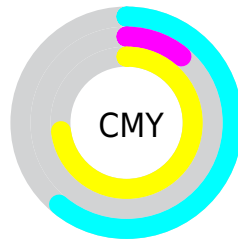
- Red (39%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (78%)



- Cyan (57%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)





- Cyan (61%)
- Magenta (11%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 89.971, 134.919 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 81, 89.971, 134.919 by changing the saturation by 10% instead.


 81, 89.971,
134.919


 81, 89.971,
134.919


 100, 89.971,
134.919


 71, 89.971,
134.919


 61, 89.971,
134.919

 51, 89.971,
134.919

 41, 89.971,
134.919

 31, 89.971,
134.919

 21, 89.971,
134.919

 11, 89.971,

134.919

■ 1, 89.971, 134.919

■ 0, 89.971, 134.919

■ 81, 89.971,
134.919

■ 81, 89.971,
134.919

■ 80, 98.627,
134.566

■ 82, 79.333,
135.500

■ 80, 104.746,
134.566

■ 83, 67.299,
136.184

■ 80, 108.298,
134.898


■ 84, 54.358,
136.885

■ 80, 108.362,
134.904


■ 85, 40.884,
137.553


■ 87, 27.155,

138.163

 89, 13.376,
138.710

 91, 0.305, 318.398

 93, 13.784,
319.551

 93, 16.973,
325.012

Harmonies

Complementary

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



81, 89.971, 134.919



54, 91.293, 321.718

Rectangle

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



81, 89.971, 134.919



81, 89.971, 184.919



81, 89.971, 314.919



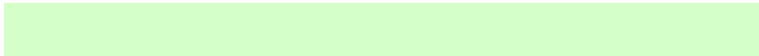
81, 89.971, 4.919

Sweetspot

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



81, 89.971, 134.920



96, 31.589, 138.085



80, 65.033, 91.907



51, 21.387, 137.919



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 89.971, 134.920



89, 110.919, 134.516



81, 77.005, 146.533



47, 7.810, 138.727



64, 90.113, 134.762



18, 35.167, 135.575

Inverse Universe

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



54, 91.293, 321.718



55, 111.662, 321.618



56, 75.445, 340.326



45, 7.851, 319.558



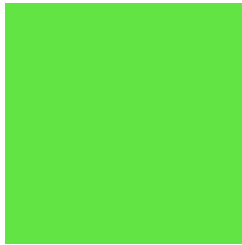
36, 89.959, 321.125



6, 37.129, 321.954

Previews

White Background



This preview shows how the CIE LCh color 81, 89.971, 134.919 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 81, 89.971, 134.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

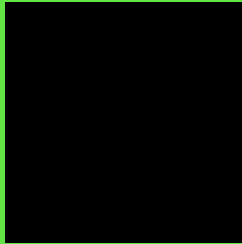
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

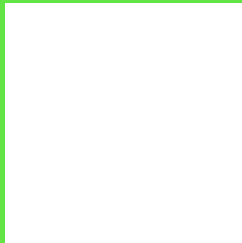
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 89.971, 134.919

Background



This preview shows how black text looks on a background with the CIELCh color 81, 89.971, 134.919.

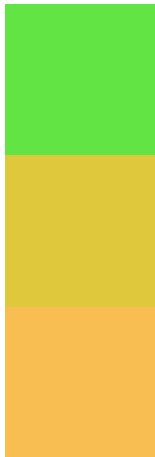


This preview shows how white text looks on a background with the CIELCh color 81, 89.971, 134.919.

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
81, 89.971, 134.919

Protanopia
80, 68.714, 95.176

Deuteranopia
80, 61.577, 80.508



Tritanopia
81, 26.037, 218.311

Trichromacy



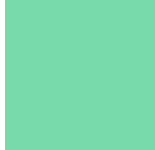
Original Color
81, 89.971, 134.919



Protanomaly
80, 71.875, 114.769



Deuteranomaly
79, 63.306, 108.336

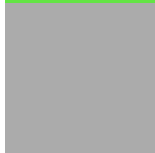


Tritanomaly
80, 42.039, 160.123

Monochromacy



Original Color
81, 89.971, 134.919



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 36.069, 137.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 89.971, 134.919 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(99, 228, 69)` looks like.

```
.text, #text, p{  
    color:rgb(99, 228, 69)  
}
```

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(99, 228, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 228, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 89.971, 134.919 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(99, 228, 69) }
```

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

```
.border{ border-color:rgb(99, 228, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 228, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 228, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 228, 69);  
box-shadow:4px 4px 4px 4px rgb(99, 228,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 89.971, 134.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 228, 69) }
```

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

```
.background{ background-color: rgb(99, 228,  
69) }
```

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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