

Converting Colors

CIELCh(83, 82.336, 129.108)

Have a look what the booklet for
CIELCh(83, 82.336, 129.108)
contains.

CIELCh(83, 82.336, 129.108)	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(83, 82.336, 129.108)

Conversions

Conversions Part 1

Format	Color
Hex	8BE54B
RGB	139, 229, 75
RGB Percent	55%, 90%, 29%
CMY	0.4541, 0.1012, 0.7051
CMYK	0.39, 0.00, 0.67, 0.10
HSL	95°, 75%, 60%
HSV	95°, 67%, 90%
XYZ	40.0300, 62.1629, 16.5801
YIQ	184.5340, -4.2060, -66.9740

Conversions

Conversions Part 2

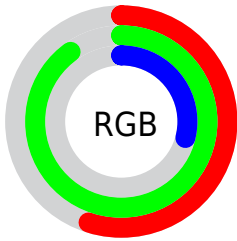
Format	Color
RYB	75, 229, 165
Decimal	9168203
CIELab	83.00, -51.94, 63.89
CIELCh	83, 82.336, 129.108
Yxy	62.1629, 0.3370, 0.5234
Android (android.graphics.Color)	4287358283 (0xFF8BE54B)
YUV	184.5340, -54.0003, -39.9333
Hunter-Lab	78.8435, -47.3491, 42.7222

Details

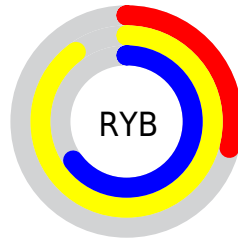
The CIELCh color **83, 82.336, 129.108** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **50, 88.881, 314.776**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 65.110, 125.331**, and **63, 82.471, 129.154** is the 20% darker color. If you saturate the color by 10%, you get **82, 91.319, 129.141**, and if you desaturate by 10%, it is **84, 71.757, 129.354**.

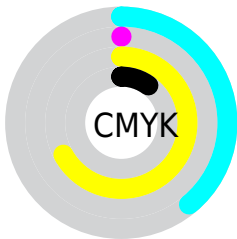
Distribution



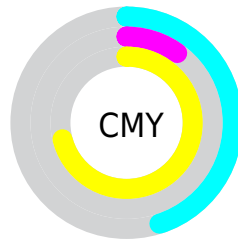
- Red (55%)
- Green (90%)
- Blue (29%)



- Red (29%)
- Yellow (90%)
- Blue (65%)



- Cyan (39%)
- Magenta (0%)
- Yellow (67%)
- Black (10%)





- Cyan (45%)
- Magenta (10%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 82.336, 129.108 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 83, 82.336, 129.108 by changing the saturation by 10% instead.


 83, 82.336,
129.108


 83, 82.336,
129.108


 100, 82.336,
129.108


 73, 82.336,
129.108

 63, 82.336,
129.108

 53, 82.336,
129.108

 43, 82.336,
129.108

 33, 82.336,
129.108

 23, 82.336,
129.108

 13, 82.336,

129.108

■ 3, 82.336, 129.108

■ 0, 82.336, 129.108

■ 83, 82.336,
129.108

■ 83, 82.336,
129.108

■ 82, 91.319,
129.141

■ 84, 71.757,
129.354

■ 82, 98.153,
129.579

■ 85, 60.103,
129.756

■ 81, 102.552,
130.495

■ 86, 47.778,
130.233

■ 81, 103.536,
130.776


■ 87, 35.070,
130.729


■ 88, 22.181,

131.215

 90, 9.253, 131.678

 91, 3.614, 312.031

 93, 14.662,
315.028

 94, 16.123,
324.982

Harmonies

Complementary

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



83, 82.336, 129.108



50, 88.881, 314.776

Rectangle

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



83, 82.336, 129.108



83, 82.336, 179.108



83, 82.336, 309.108



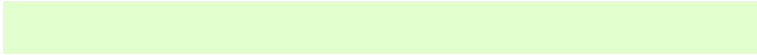
83, 82.336, 359.108

Sweetspot

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



83, 82.337, 129.109



97, 28.143, 131.075



72, 56.519, 74.548



51, 19.200, 130.938



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 82.337, 129.109



90, 102.479, 129.272



81, 87.419, 140.326



47, 7.323, 131.574



65, 85.639, 130.524



18, 33.131, 130.302

Inverse Universe

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



50, 88.881, 314.776



49, 111.802, 314.794



59, 85.353, 330.505



45, 7.406, 312.350



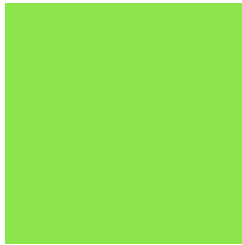
30, 93.748, 314.015



5, 36.135, 314.045

Previews

White Background



This preview shows how the CIELCh color 83, 82.336, 129.108 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 83, 82.336, 129.108 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 83, 82.336, 129.108

Background



This preview shows how black text looks on a background with the CIELCh color 83, 82.336, 129.108.

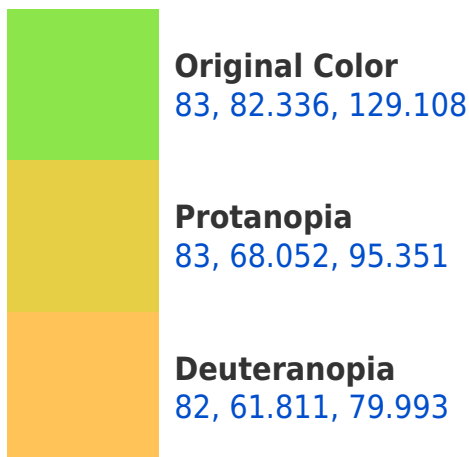


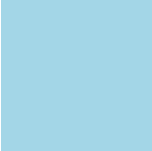
This preview shows how white text looks on a background with the CIELCh color 83, 82.336, 129.108.

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
83, 18.561, 227.584

Trichromacy



Original Color
83, 82.336, 129.108



Protanomaly
82, 69.829, 110.052



Deuteranomaly
82, 61.958, 102.266



Tritanomaly
82, 34.166, 151.969

Monochromacy



Original Color
83, 82.336, 129.108



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 32.339, 130.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 82.336, 129.108 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(139, 229, 75)` looks like.

```
.text, #text, p{  
    color:rgb(139, 229, 75)  
}
```

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(139, 229, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 229, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 82.336, 129.108 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(139, 229, 75) }
```

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

```
.border{ border-color:rgb(139, 229, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 229, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 229, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 229, 75);  
box-shadow:4px 4px 4px 4px rgb(139, 229,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 82.336, 129.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 229, 75) }
```

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

```
.background{ background-color: rgb(139,  
229, 75) }
```

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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