

Converting Colors

CIELCh(83, 84.392, 128.245)

Have a look what the booklet for
CIELCh(83, 84.392, 128.245)
contains.

CIELCh(83, 84.165, 128.195)	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, 84.165, 128.195)

Conversions

Conversions Part 1

Format	Color
Hex	8CE545
RGB	140, 229, 69
RGB Percent	55%, 90%, 27%
CMY	0.4503, 0.1012, 0.7287
CMYK	0.39, 0.00, 0.70, 0.10
HSL	93°, 76%, 59%
HSV	93°, 70%, 90%
XYZ	39.9959, 62.1629, 15.5511
YIQ	184.1490, -1.6840, -68.6280

Conversions

Conversions Part 2

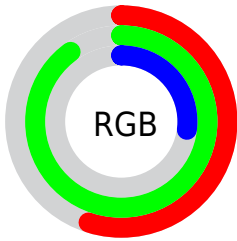
Format	Color
RYB	69, 229, 158
Decimal	9233733
CIELab	83.00, -52.04, 66.15
CIELCh	83, 84.165, 128.195
Yxy	62.1629, 0.3398, 0.5281
Android (android.graphics.Color)	4287423813 (0xFF8CE545)
YUV	184.1490, -56.7685, -38.7187
Hunter-Lab	78.8435, -47.4262, 43.4961

Details

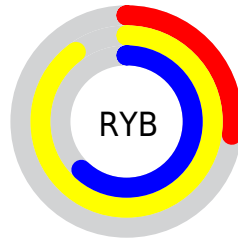
The CIELCh color **83, 84.165, 128.195** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **49, 91.906, 314.012**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 67.104, 124.299**, and **63, 82.322, 128.978** is the 20% darker color. If you saturate the color by 10%, you get **82, 92.559, 128.354**, and if you desaturate by 10%, it is **84, 74.040, 128.355**.

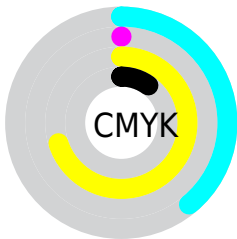
Distribution



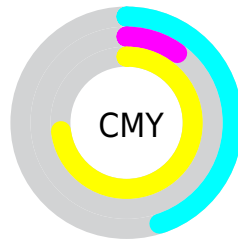
- Red (55%)
- Green (90%)
- Blue (27%)



- Red (27%)
- Yellow (90%)
- Blue (62%)



- Cyan (39%)
- Magenta (0%)
- Yellow (70%)
- Black (10%)





- Cyan (45%)
- Magenta (10%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 84.165, 128.195 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, 84.165, 128.195 by changing the saturation by 10% instead.


 83, 84.165,
128.195


 83, 84.165,
128.195


 100, 84.165,
128.195


 73, 84.165,
128.195

 63, 84.165,
128.195

 53, 84.165,
128.195

 43, 84.165,
128.195

 33, 84.165,
128.195

 23, 84.165,
128.195

 13, 84.165,

128.195

■ 3, 84.165, 128.195

■ 0, 84.165, 128.195

■ 83, 84.165,
128.195

■ 83, 84.165,
128.195

■ 82, 92.559,
128.354

■ 84, 74.040,
128.355

■ 82, 98.702,
128.954

■ 85, 62.723,
128.707

■ 81, 102.600,
129.984


■ 86, 50.648,
129.158

■ 81, 102.666,
130.003


■ 87, 38.126,
129.645


■ 88, 25.375,

130.132

 90, 12.547,
130.601

 91, 0.253, 310.419

 93, 12.947,
311.397

 94, 16.117,
324.906

Harmonies

Complementary

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



83, 84.165, 128.195



49, 91.906, 314.012

Rectangle

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



83, 84.165, 128.195



83, 84.165, 178.195



83, 84.165, 308.195



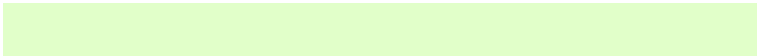
83, 84.165, 358.195

Sweetspot

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



83, 84.166, 128.196



97, 29.330, 130.069



70, 58.291, 71.073



51, 19.848, 129.935



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, 84.166, 128.196



90, 103.785, 128.574



81, 91.765, 139.181



47, 7.271, 130.617



65, 84.925, 129.744



18, 32.852, 129.439

Inverse Universe

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



49, 91.906, 314.012



47, 114.759, 313.959



58, 89.534, 329.437



45, 7.360, 311.404



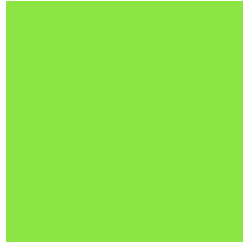
29, 94.309, 313.281



4, 35.968, 313.041

Previews

White Background



This preview shows how the CIELCh color 83, 84.165, 128.195 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, 84.165, 128.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

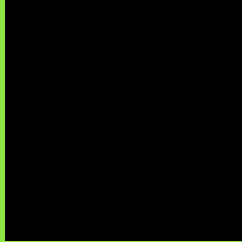
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 84.165, 128.195

Background



This preview shows how black text looks on a background with the CIELCh color 83, 84.165, 128.195.

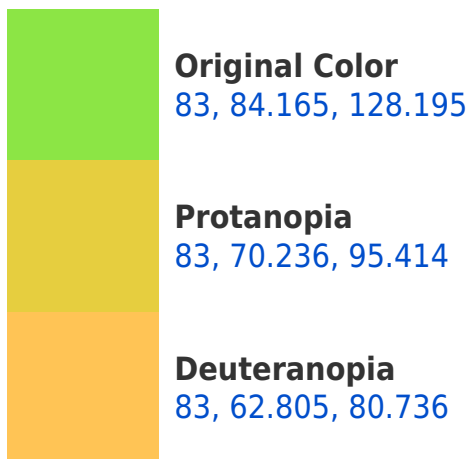


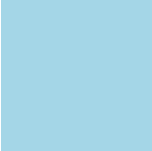
This preview shows how white text looks on a background with the CIELCh color 83, 84.165, 128.195.

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, 18.304, 228.049

Trichromacy



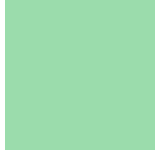
Original Color
83, 84.165, 128.195



Protanomaly
82, 71.999, 109.706



Deuteranomaly
82, 63.999, 102.562

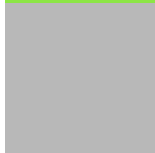


Tritanomaly
82, 34.732, 150.447

Monochromacy



Original Color
83, 84.165, 128.195



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 33.175, 129.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 84.165, 128.195 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(140, 229, 69)` looks like.

```
.text, #text, p{  
    color:rgb(140, 229, 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(140, 229, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 229, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 84.165, 128.195 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(140, 229, 69) }
```

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

```
.border{ border-color:rgb(140, 229, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 229, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 229, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 229, 69);  
box-shadow:4px 4px 4px 4px rgb(140, 229,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 84.165, 128.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 229, 69) }
```

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

```
.background{ background-color: rgb(140,  
229, 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](#).

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