

Converting Colors

CIELCh(83, 80.216, 132.294)

Have a look what the booklet for
CIELCh(83, 80.216, 132.294)
contains.

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Color

CIELCh(83, 80.258, 132.235)

Conversions

Conversions Part 1

Format	Color
Hex	83E656
RGB	131, 230, 86
RGB Percent	51%, 90%, 34%
CMY	0.4858, 0.0976, 0.6623
CMYK	0.43, 0.00, 0.63, 0.10
HSL	101°, 74%, 62%
HSV	101°, 63%, 90%
XYZ	39.3890, 62.1629, 18.7487
YIQ	183.9830, -12.7800, -65.7720

Conversions

Conversions Part 2

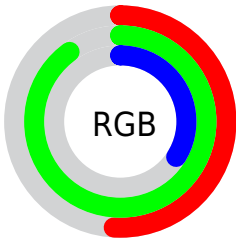
Format	Color
RYB	86, 230, 185
Decimal	8644182
CIELab	83.00, -53.95, 59.42
CIELCh	83, 80.258, 132.235
Yxy	62.1629, 0.3274, 0.5167
Android (android.graphics.Color)	4286834262 (0xFF83E656)
YUV	183.9830, -48.3056, -46.4661
Hunter-Lab	78.8435, -48.8002, 41.0915

Details

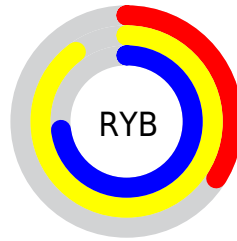
The CIELCh color **83, 80.258, 132.235** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **55, 83.951, 317.780**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 61.979, 129.385**, and **63, 80.547, 132.255** is the 20% darker color. If you saturate the color by 10%, you get **82, 90.335, 131.976**, and if you desaturate by 10%, it is **84, 68.764, 132.683**.

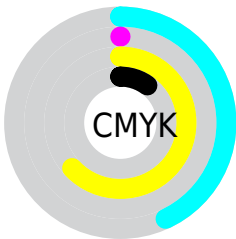
Distribution



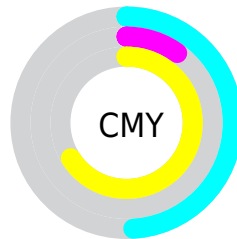
- Red (51%)
- Green (90%)
- Blue (34%)



- Red (34%)
- Yellow (90%)
- Blue (73%)



- Cyan (43%)
- Magenta (0%)
- Yellow (63%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 80.258, 132.235 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, 80.258, 132.235 by changing the saturation by 10% instead.


 83, 80.258,
132.235


 83, 80.258,
132.235


 100, 80.258,
132.235


 73, 80.258,
132.235

 63, 80.258,
132.235

 53, 80.258,
132.235

 43, 80.258,
132.235

 33, 80.258,
132.235

 23, 80.258,
132.235

 13, 80.258,

132.235

■ 3, 80.258, 132.235

■ 0, 80.258, 132.235

■ 83, 80.258,
132.235

■ 83, 80.258,
132.235

■ 82, 90.335,
131.976

■ 84, 68.764,
132.683

■ 82, 98.413,
132.034

■ 85, 56.343,
133.215

■ 81, 104.005,
132.522

■ 86, 43.366,
133.767

■ 81, 106.694,
133.098


■ 88, 30.100,
134.301

■ 89, 16.736,

134.798

 91, 3.410, 135.288

 93, 9.782, 315.603

 94, 15.548,
324.962

Harmonies

Complementary

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



83, 80.258, 132.235



55, 83.951, 317.780

Rectangle

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



83, 80.258, 132.235



83, 80.258, 182.235



83, 80.258, 312.235



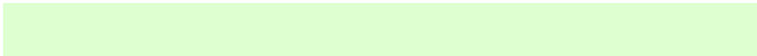
83, 80.258, 2.235

Sweetspot

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



83, 80.259, 132.236



97, 27.518, 134.478



77, 55.283, 83.986



51, 18.944, 134.332



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, 80.259, 132.236



90, 100.357, 131.955



82, 77.447, 143.774



47, 7.529, 134.946



64, 87.999, 132.883



18, 34.119, 133.058

Inverse Universe

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



55, 83.951, 317.780



55, 105.278, 317.869



60, 76.092, 334.123



45, 7.594, 315.716



33, 91.828, 316.996



5, 36.684, 317.686

Previews

White Background



This preview shows how the CIELCh color 83, 80.258, 132.235 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, 80.258, 132.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

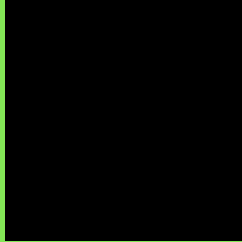
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 80.258, 132.235

Background



This preview shows how black text looks on a background with the CIELCh color 83, 80.258, 132.235.

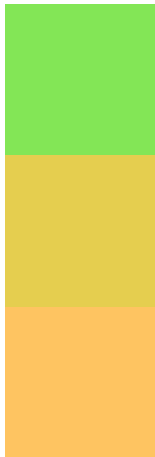


This preview shows how white text looks on a background with the CIELCh color 83, 80.258, 132.235.

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
83, 80.258, 132.235

Protanopia
83, 64.063, 95.585

Deuteranopia
83, 57.538, 79.568

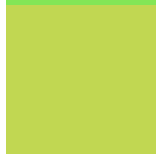


Tritanopia
83, 20.859, 223.945

Trichromacy



Original Color
83, 80.258, 132.235



Protanomaly
82, 66.226, 112.490



Deuteranomaly
82, 57.983, 104.587



Tritanomaly
82, 34.149, 157.768

Monochromacy



Original Color
83, 80.258, 132.235



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 31.412, 133.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 80.258, 132.235 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(131, 230, 86)` looks like.

```
.text, #text, p{  
    color:rgb(131, 230, 86)  
}
```

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(131, 230, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 230, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 80.258, 132.235 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(131, 230, 86) }
```

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

```
.border{ border-color:rgb(131, 230, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 230, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 230, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 230, 86);  
box-shadow:4px 4px 4px 4px rgb(131, 230,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 80.258, 132.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 230, 86) }
```

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

```
.background{ background-color: rgb(131,  
230, 86) }
```

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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