

Converting Colors

CIELCh(83, 81.586, 139.690)

Have a look what the booklet for
CIELCh(83, 81.586, 139.690)
contains.

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Color

CIElCh(83, 81.222, 139.701)

Conversions

Conversions Part 1

Format	Color
Hex	64E965
RGB	100, 233, 101
RGB Percent	39%, 91%, 40%
CMY	0.6063, 0.0848, 0.6026
CMYK	0.57, 0.00, 0.57, 0.08
HSL	120°, 75%, 65%
HSV	120°, 57%, 92%
XYZ	36.9074, 62.1629, 22.4518
YIQ	178.1850, -36.8960, -69.2480

Conversions

Conversions Part 2

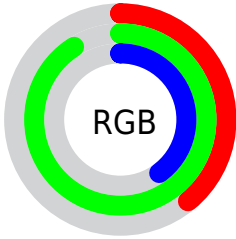
Format	Color
RYB	100, 232, 233
Decimal	6613349
CIELab	83.00, -61.95, 52.53
CIElCh	83, 81.222, 139.701
Yxy	62.1629, 0.3037, 0.5115
Android (android.graphics.Color)	4284803429 (0xFF64E965)
YUV	178.1850, -38.0522, -68.5682
Hunter-Lab	78.8435, -54.4185, 38.3068

Details

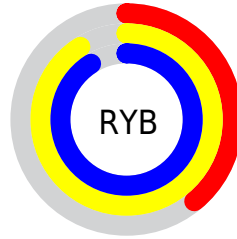
The CIELCh color **83, 81.222, 139.701** is a dark color, and the websafe version is hex **66FF66**. A complement of this color would be **64, 80.455, 327.553**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 61.099, 140.101**, and **63, 81.218, 139.672** is the 20% darker color. If you saturate the color by 10%, you get **82, 92.478, 138.544**, and if you desaturate by 10%, it is **84, 68.381, 140.830**.

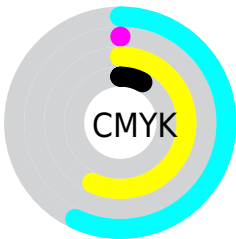
Distribution



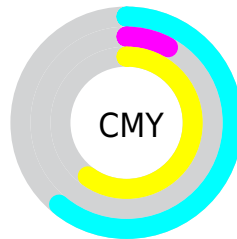
- Red (39%)
- Green (91%)
- Blue (40%)



- Red (39%)
- Yellow (91%)
- Blue (91%)



- Cyan (57%)
- Magenta (0%)
- Yellow (57%)
- Black (8%)





- Cyan (61%)
- Magenta (8%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 81.222, 139.701 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, 81.222, 139.701 by changing the saturation by 10% instead.


 83, 81.222,
139.701


 83, 81.222,
139.701


 100, 81.222,
139.701


 73, 81.222,
139.701

 63, 81.222,
139.701

 53, 81.222,
139.701

 43, 81.222,
139.701

 33, 81.222,
139.701

 23, 81.222,
139.701

 13, 81.222,

139.701

■ 3, 81.222, 139.701

■ 0, 81.222, 139.701

■ 83, 81.222,
139.701

■ 83, 81.222,
139.701

■ 82, 92.478,
138.544

■ 84, 68.381,
140.830

■ 82, 101.559,
137.471

■ 85, 54.474,
141.864

■ 81, 107.906,
136.631

■ 87, 39.936,
142.777

■ 81, 111.254,
136.147

■ 89, 25.110,
143.567


■ 81, 111.892,

■ 91, 10.261,

136.059

144.253

 93, 4.417, 324.724

 95, 13.505,
324.888

Harmonies

Complementary

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



83, 81.222, 139.701



64, 80.455, 327.553

Rectangle

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



83, 81.222, 139.701



83, 81.222, 189.701



83, 81.222, 319.701



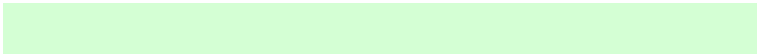
83, 81.222, 9.701

Sweetspot

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



83, 81.223, 139.701



96, 27.016, 143.559



90, 65.295, 104.838



51, 18.081, 143.409



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, 81.223, 139.701



89, 100.353, 138.391



84, 55.883, 157.301



48, 8.404, 144.089



64, 92.487, 136.075



18, 38.101, 138.396

Inverse Universe

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



64, 80.455, 327.553



65, 98.578, 327.959



61, 59.051, 350.201



46, 8.417, 325.131



43, 88.871, 328.515



9, 38.087, 328.473

Previews

White Background



This preview shows how the CIE LCh color 83, 81.222, 139.701 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, 81.222, 139.701 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

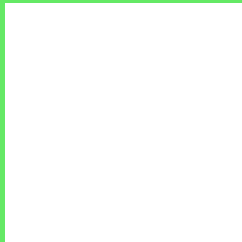
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 81.222, 139.701

Background



This preview shows how black text looks on a background with the CIELCh color 83, 81.222, 139.701.

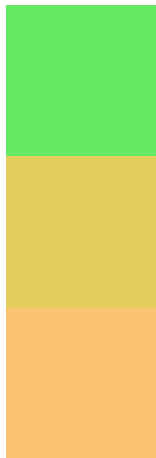


This preview shows how white text looks on a background with the CIELCh color 83, 81.222, 139.701.

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, 81.222, 139.701

Protanopia
82, 57.697, 95.222

Deuteranopia
82, 50.100, 77.574



Tritanopia
83, 27.529, 218.187

Trichromacy



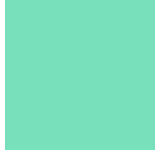
Original Color
83, 81.222, 139.701



Protanomaly
82, 61.263, 117.794



Deuteranomaly
81, 51.850, 111.564



Tritanomaly
82, 39.301, 167.680

Monochromacy



Original Color
83, 81.222, 139.701



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 31.745, 143.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 81.222, 139.701 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(100, 233, 101)` looks like.

```
.text, #text, p{  
    color:rgb(100, 233, 101)  
}
```

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(100, 233, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 233, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 81.222, 139.701 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(100, 233, 101) }
```

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

```
.border{ border-color:rgb(100, 233, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 233, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 233, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 233, 101);  
box-shadow:4px 4px 4px 4px rgb(100, 233,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 81.222, 139.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 233, 101) }
```

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

```
.background{ background-color: rgb(100,  
233, 101) }
```

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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