

Converting Colors

CIELCh(83, 70.339, 119.946)

Have a look what the booklet for
CIELCh(83, 70.339, 119.946)
contains.

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Color

CIELCh(83, 70.328, 119.952)

Conversions

Conversions Part 1

Format	Color
Hex	B0DE54
RGB	176, 222, 84
RGB Percent	69%, 87%, 33%
CMY	0.3095, 0.1291, 0.6703
CMYK	0.21, 0.00, 0.62, 0.13
HSL	80°, 68%, 60%
HSV	80°, 62%, 87%
XYZ	45.6661, 62.1629, 17.9943
YIQ	192.5140, 16.8820, -52.6700

Conversions

Conversions Part 2

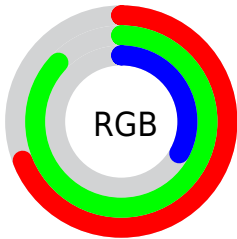
Format	Color
RYB	84, 222, 130
Decimal	11591252
CIELab	83.00, -35.11, 60.94
CIELCh	83, 70.328, 119.952
Yxy	62.1629, 0.3629, 0.4940
Android (android.graphics.Color)	4289781332 (0xFFB0DE54)
YUV	192.5140, -53.4974, -14.4828
Hunter-Lab	78.8435, -34.5891, 41.6588

Details

The CIELCh color **83, 70.328, 119.952** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **47, 80.750, 307.601**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 57.883, 114.066**, and **63, 70.376, 119.992** is the 20% darker color. If you saturate the color by 10%, you get **82, 79.116, 119.858**, and if you desaturate by 10%, it is **84, 60.271, 120.277**.

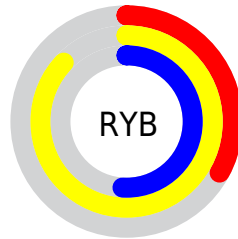
Distribution



Red (69%)

Green (87%)

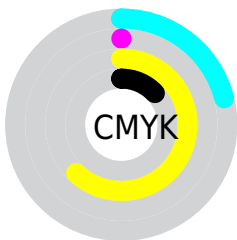
Blue (33%)



Red (33%)

Yellow (87%)

Blue (51%)

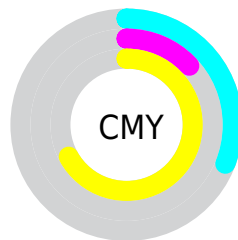


Cyan (21%)

Magenta (0%)

Yellow (62%)

Black (13%)



Cyan (31%)


Magenta (13%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 70.328, 119.952 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, 70.328, 119.952 by changing the saturation by 10% instead.


 83, 70.328,
119.952


 83, 70.328,
119.952


 100, 70.328,
119.952


 73, 70.328,
119.952

 63, 70.328,
119.952

 53, 70.328,
119.952

 43, 70.328,
119.952

 33, 70.328,
119.952

 23, 70.328,
119.952

 13, 70.328,

119.952

■ 3, 70.328, 119.952

■ 0, 70.328, 119.952

■ 83, 70.328,
119.952

■ 83, 70.328,
119.952

■ 82, 79.116,
119.858

■ 84, 60.271,
120.277

■ 82, 86.101,
120.106

■ 84, 49.384,
120.737

■ 81, 90.835,
120.805

■ 85, 37.985,
121.269

■ 81, 93.158,
121.635

■ 86, 26.288,
121.831

■ 87, 14.440,

122.394

■ 88, 2.538, 122.961

■ 89, 9.350, 303.448

■ 90, 17.777,
306.227

■ 91, 18.594,
313.901

Harmonies

Complementary

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



83, 70.328, 119.952



47, 80.750, 307.601

Rectangle

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



83, 70.328, 119.952



83, 70.328, 169.952



83, 70.328, 299.952



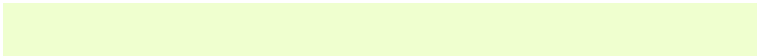
83, 70.328, 349.952

Sweetspot

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



83, 70.329, 119.954



98, 25.256, 122.000



63, 50.624, 51.812



52, 17.368, 121.837



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, 70.329, 119.954



93, 90.745, 119.899



80, 80.799, 135.840



47, 6.810, 122.544



66, 78.159, 121.398



18, 29.326, 121.255

Inverse Universe

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



47, 80.750, 307.601



46, 108.148, 308.532



56, 81.826, 322.296



43, 6.934, 303.576



24, 97.686, 308.820



3, 32.459, 304.321

Previews

White Background



This preview shows how the CIELCh color 83, 70.328, 119.952 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 CIE LCh color 83, 70.328, 119.952 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, 70.328, 119.952

Background



This preview shows how black text looks on a background with the CIELCh color 83, 70.328, 119.952.

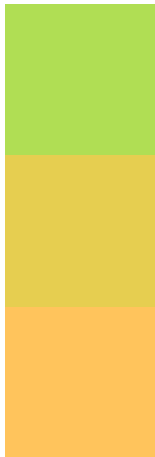


This preview shows how white text looks on a background with the CIELCh color 83, 70.328, 119.952.

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](#).

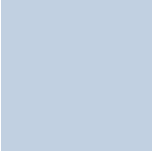
Dichromacy



Original Color
83, 70.328, 119.952

Protanopia
83, 63.735, 95.184

Deuteranopia
83, 59.887, 79.886



Tritanopia
83, 10.256, 260.731

Trichromacy



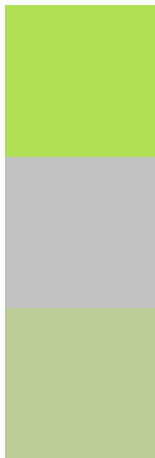
Original Color
83, 70.328, 119.952

Protanomaly
83, 64.742, 105.246

Deuteranomaly
82, 59.292, 96.152

Tritanomaly
82, 22.775, 133.863

Monochromacy



Original Color
83, 70.328, 119.952

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 27.678, 121.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 70.328, 119.952 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(176, 222, 84)` looks like.

```
.text, #text, p{  
    color:rgb(176, 222, 84)  
}
```

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(176, 222, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 222, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 70.328, 119.952 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(176, 222, 84) }
```

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

```
.border{ border-color:rgb(176, 222, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 222, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 222, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 222, 84);  
box-shadow:4px 4px 4px 4px rgb(176, 222,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 70.328, 119.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 222, 84) }
```

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

```
.background{ background-color: rgb(176,  
222, 84) }
```

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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