

Converting Colors

CIELCh(83, 83.980, 120.626)

Have a look what the booklet for
CIELCh(83, 83.980, 120.626)
contains.

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Color

CIELCh(83, 83.838, 120.502)

Conversions

Conversions Part 1

Format	Color
Hex	A5E134
RGB	165, 225, 52
RGB Percent	65%, 88%, 20%
CMY	0.3526, 0.1172, 0.7956
CMYK	0.27, 0.00, 0.77, 0.12
HSL	81°, 74%, 54%
HSV	81°, 77%, 88%
XYZ	43.1123, 62.1629, 12.9888
YIQ	187.3380, 19.7730, -66.5230

Conversions

Conversions Part 2

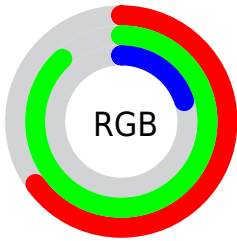
Format	Color
RYB	52, 225, 112
Decimal	10871092
CIELab	83.00, -42.55, 72.24
CIELCh	83, 83.838, 120.502
Yxy	62.1629, 0.3645, 0.5256
Android (android.graphics.Color)	4289061172 (0xFFA5E134)
YUV	187.3380, -66.7216, -19.5904
Hunter-Lab	78.8435, -40.3708, 45.4229

Details

The CIELCh color **83, 83.838, 120.502** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **40, 99.790, 308.892**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 70.356, 115.079**, and **63, 76.656, 122.844** is the 20% darker color. If you saturate the color by 10%, you get **82, 89.907, 120.971**, and if you desaturate by 10%, it is **84, 75.706, 120.439**.

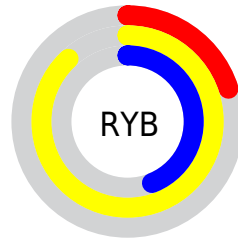
Distribution



Red (65%)

Green (88%)

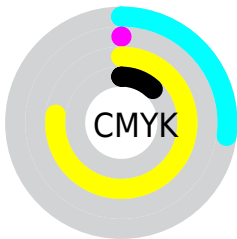
Blue (20%)



Red (20%)

Yellow (88%)

Blue (44%)

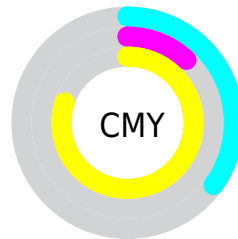


Cyan (27%)

Magenta (0%)

Yellow (77%)

Black (12%)



Cyan (35%)


Magenta (12%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 83.838, 120.502 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, 83.838, 120.502 by changing the saturation by 10% instead.


 83, 83.838,
120.502


 83, 83.838,
120.502


 100, 83.838,
120.502


 73, 83.838,
120.502

 63, 83.838,
120.502

 53, 83.838,
120.502

 43, 83.838,
120.502

 33, 83.838,
120.502

 23, 83.838,
120.502

 13, 83.838,

120.502

■ 3, 83.838, 120.502

■ 0, 83.838, 120.502

■ 83, 83.838,
120.502

■ 83, 83.838,
120.502

■ 82, 89.907,
120.971

■ 84, 75.706,
120.439

■ 82, 93.629,
121.919

■ 84, 66.041,
120.658

■ 82, 94.534,
122.265

■ 85, 55.343,
121.055

■ 86, 43.992,
121.551


■ 87, 32.251,

122.094

 88, 20.296,
122.649

 89, 8.247, 123.199

 90, 3.812, 303.694

 91, 15.825,
304.200

Harmonies

Complementary

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



83, 83.838, 120.502



40, 99.790, 308.892

Rectangle

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



83, 83.838, 120.502



83, 83.838, 170.502



83, 83.838, 300.502



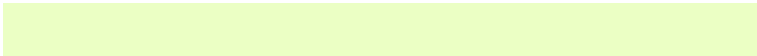
83, 83.838, 350.502

Sweetspot

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



83, 83.838, 120.503



97, 30.615, 122.299



59, 65.888, 51.224



52, 21.160, 122.097



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, 83.838, 120.503



92, 101.464, 121.462



80, 95.885, 135.037



47, 6.826, 123.057



65, 78.496, 122.011



18, 29.435, 121.858

Inverse Universe

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



40, 99.790, 308.892



39, 124.848, 309.106



51, 96.449, 322.431



43, 6.948, 304.065



24, 97.442, 309.023



3, 32.522, 304.756

Previews

White Background



This preview shows how the CIELCh color 83, 83.838, 120.502 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, 83.838, 120.502 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, 83.838, 120.502

Background



This preview shows how black text looks on a background with the CIELCh color 83, 83.838, 120.502.

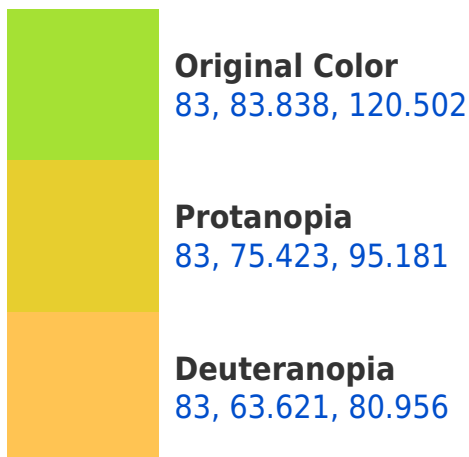


This preview shows how white text looks on a background with the CIELCh color 83, 83.838, 120.502.

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, 11.817, 244.913

Trichromacy



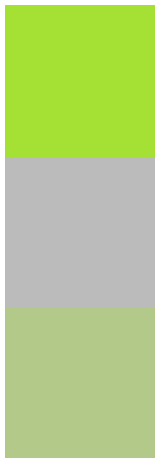
Original Color
83, 83.838, 120.502

Protanomaly
82, 76.420, 105.465

Deuteranomaly
82, 66.722, 98.675

Tritanomaly
82, 30.730, 134.966

Monochromacy



Original Color
83, 83.838, 120.502

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 34.285, 121.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 83.838, 120.502 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(165, 225, 52)` looks like.

```
.text, #text, p{  
    color:rgb(165, 225, 52)  
}
```

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(165, 225, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 225, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 83.838, 120.502 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(165, 225, 52) }
```

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

```
.border{ border-color:rgb(165, 225, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 225, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 225, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 225, 52);  
box-shadow:4px 4px 4px 4px rgb(165, 225,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 83.838, 120.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 225, 52) }
```

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

```
.background{ background-color: rgb(165,  
225, 52) }
```

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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