

Converting Colors

CIELCh(84, 82.802, 120.223)

Have a look what the booklet for
CIELCh(84, 82.802, 120.223)
contains.

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Color

CIELCh(84, 82.863, 120.217)

Conversions

Conversions Part 1

Format	Color
Hex	AAE43A
RGB	170, 228, 58
RGB Percent	67%, 89%, 23%
CMY	0.3350, 0.1074, 0.7743
CMYK	0.25, 0.00, 0.75, 0.11
HSL	80°, 76%, 56%
HSV	80°, 75%, 89%
XYZ	44.8732, 64.0658, 13.9437
YIQ	191.2780, 20.0020, -65.1660

Conversions

Conversions Part 2

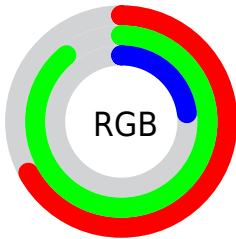
Format	Color
RYB	58, 228, 116
Decimal	11199546
CIELab	84.00, -41.70, 71.60
CIELCh	84, 82.863, 120.217
Yxy	64.0658, 0.3652, 0.5214
Android (android.graphics.Color)	4289389626 (0xFFAAE43A)
YUV	191.2780, -65.7061, -18.6608
Hunter-Lab	80.0411, -40.0000, 45.7001

Details

The CIELCh color **84, 82.863, 120.217** 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 **42, 98.293, 308.662**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 67.900, 113.895**, and **64, 77.221, 122.072** is the 20% darker color. If you saturate the color by 10%, you get **83, 89.436, 120.587**, and if you desaturate by 10%, it is **85, 74.310, 120.228**.

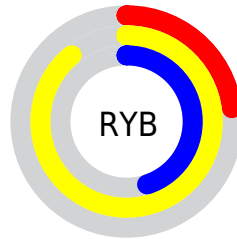
Distribution



Red (67%)

Green (89%)

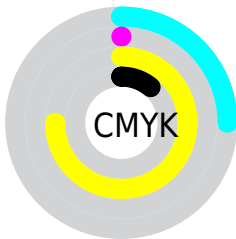
Blue (23%)



Red (23%)

Yellow (89%)

Blue (45%)

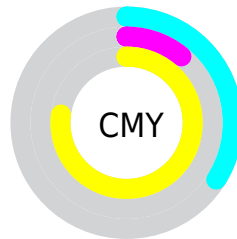


Cyan (25%)

Magenta (0%)

Yellow (75%)

Black (11%)



Cyan (34%)

Magenta (11%)

Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 82.863, 120.217 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 84, 82.863, 120.217 by changing the saturation by 10% instead.

 84, 82.863,
120.217

 84, 82.863,
120.217


 100, 82.863,
120.217


 74, 82.863,
120.217

 64, 82.863,
120.217

 54, 82.863,
120.217

 44, 82.863,
120.217

 34, 82.863,
120.217

 24, 82.863,
120.217

 14, 82.863,

120.217

■ 4, 82.863, 120.217

■ 0, 82.863, 120.217

■ 84, 82.863,
120.217

■ 84, 82.863,
120.217

■ 83, 89.436,
120.587

■ 85, 74.310,
120.228

■ 83, 93.645,
121.431

■ 85, 64.320,
120.496


■ 83, 95.152,
122.015

■ 86, 53.377,
120.923

■ 87, 41.839,
121.436


■ 88, 29.949,

121.988

 89, 17.872,
122.548

 90, 5.720, 123.102

 91, 6.431, 303.600

 92, 14.826,
307.223

Harmonies

Complementary

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



84, 82.863, 120.217



42, 98.293, 308.662

Rectangle

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



84, 82.863, 120.217



84, 82.863, 170.217



84, 82.863, 300.217



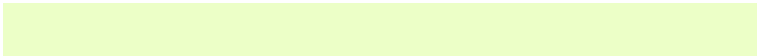
84, 82.863, 350.217

Sweetspot

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



84, 82.863, 120.219



97, 29.262, 122.133



61, 64.351, 51.320



52, 19.643, 121.980



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 82.863, 120.219



92, 100.466, 121.020



80, 94.931, 135.120



48, 6.947, 122.839



66, 79.202, 121.769



19, 30.820, 121.267

Inverse Universe

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



42, 98.293, 308.662



39, 123.557, 309.046



53, 95.607, 322.434



44, 7.072, 303.859



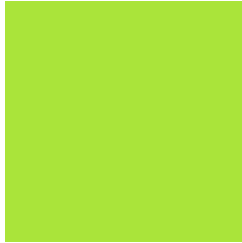
24, 98.605, 308.926



3, 34.680, 305.526

Previews

White Background



This preview shows how the CIELCh color 84, 82.863, 120.217 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 84, 82.863, 120.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

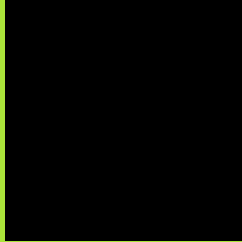
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 82.863, 120.217

Background



This preview shows how black text looks on a background with the CIELCh color 84, 82.863, 120.217.

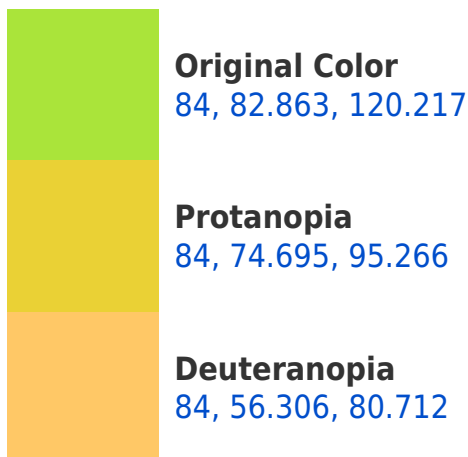


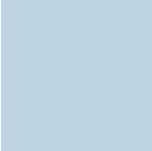
This preview shows how white text looks on a background with the CIELCh color 84, 82.863, 120.217.

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
84, 11.728, 249.160

Trichromacy



Original Color
84, 82.863, 120.217



Protanomaly
84, 75.673, 105.279



Deuteranomaly
83, 62.199, 99.176



Tritanomaly
83, 30.010, 134.833

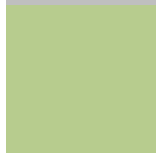
Monochromacy



Original Color
84, 82.863, 120.217



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 33.596, 121.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 82.863, 120.217 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(170, 228, 58)` looks like.

```
.text, #text, p{  
    color:rgb(170, 228, 58)  
}
```

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(170, 228, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 228, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 82.863, 120.217 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(170, 228, 58) }
```

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

```
.border{ border-color:rgb(170, 228, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 228, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 228, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 228, 58);  
box-shadow:4px 4px 4px 4px rgb(170, 228,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 82.863, 120.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 228, 58) }
```

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

```
.background{ background-color: rgb(170,  
228, 58) }
```

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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