

Converting Colors

CIELCh(84, 70.269, 122.005)

Have a look what the booklet for
CIELCh(84, 70.269, 122.005)
contains.

CIELCh(84, 70.211, 121.998)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 70.211, 121.998)

Conversions

Conversions Part 1

Format	Color
Hex	AEE25A
RGB	174, 226, 90
RGB Percent	68%, 89%, 35%
CMY	0.3180, 0.1141, 0.6474
CMYK	0.23, 0.00, 0.60, 0.11
HSL	83°, 70%, 62%
HSV	83°, 60%, 89%
XYZ	46.4468, 64.0658, 19.5708
YIQ	194.9480, 12.6640, -53.3200

Conversions

Conversions Part 2

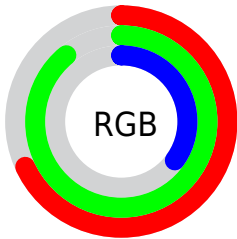
Format	Color
RYB	90, 226, 142
Decimal	11461210
CIELab	84.00, -37.20, 59.54
CIELCh	84, 70.211, 121.998
Yxy	64.0658, 0.3571, 0.4925
Android (android.graphics.Color)	4289651290 (0xFFAEE25A)
YUV	194.9480, -51.7394, -18.3714
Hunter-Lab	80.0411, -36.4906, 41.5318

Details

The CIELCh color **84, 70.211, 121.998** 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 **50, 79.263, 308.776**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 55.267, 115.443**, and **64, 70.128, 121.843** is the 20% darker color. If you saturate the color by 10%, you get **83, 79.570, 121.882**, and if you desaturate by 10%, it is **85, 59.668, 122.329**.

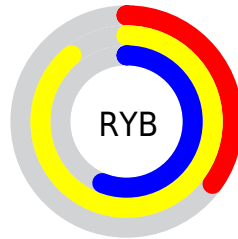
Distribution



Red (68%)

Green (89%)

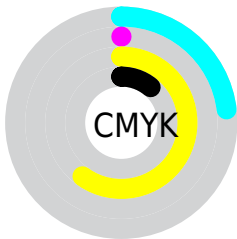
Blue (35%)



Red (35%)

Yellow (89%)

Blue (56%)

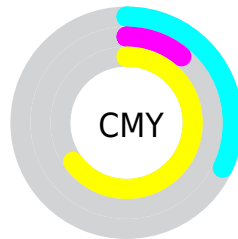


Cyan (23%)

Magenta (0%)

Yellow (60%)

Black (11%)



Cyan (32%)

Magenta (11%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 70.211, 121.998 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, 70.211, 121.998 by changing the saturation by 10% instead.

■ 84, 70.211,
121.998

■ 84, 70.211,
121.998

■ 100, 70.211,
121.998

■ 74, 70.211,
121.998

■ 64, 70.211,
121.998

■ 54, 70.211,
121.998

■ 44, 70.211,
121.998

■ 34, 70.211,
121.998

■ 24, 70.211,
121.998

■ 14, 70.211,

121.998

■ 4, 70.211, 121.998

■ 0, 70.211, 121.998

■ 84, 70.211,
121.998

■ 84, 70.211,
121.998

■ 83, 79.570,
121.882

■ 85, 59.668,
122.329

■ 83, 87.214,
122.094

■ 86, 48.360,
122.780

■ 82, 92.650,
122.754

■ 87, 36.589,
123.291


■ 82, 95.914,
123.823


■ 88, 24.559,
123.823


■ 89, 12.409,

124.352

 90, 0.232, 125.217

 91, 11.905,
305.318

 92, 16.257,
312.561

 93, 17.571,
321.825

Harmonies

Complementary

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



84, 70.211, 121.998



50, 79.263, 308.776

Rectangle

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



84, 70.211, 121.998



84, 70.211, 171.998



84, 70.211, 301.998



84, 70.211, 351.998

Sweetspot

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



84, 70.212, 121.999



98, 24.153, 123.934



66, 48.975, 54.981



52, 16.775, 123.778



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, 70.212, 121.999



93, 89.299, 121.897



81, 80.469, 136.688



47, 6.870, 124.391



65, 79.407, 123.557



18, 29.734, 123.395

Inverse Universe

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



50, 79.263, 308.776



49, 103.866, 309.503



58, 81.054, 323.297



44, 6.987, 305.344



25, 96.775, 309.597



3, 32.706, 305.954

Previews

White Background



This preview shows how the CIELCh color 84, 70.211, 121.998 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, 70.211, 121.998 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, 70.211, 121.998

Background



This preview shows how black text looks on a background with the CIELCh color 84, 70.211, 121.998.

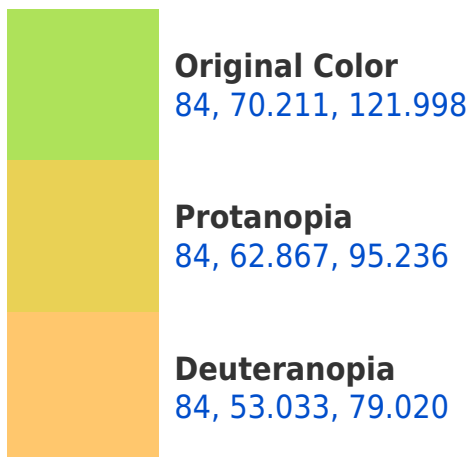


This preview shows how white text looks on a background with the CIELCh color 84, 70.211, 121.998.

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, 11.119, 253.093

Trichromacy



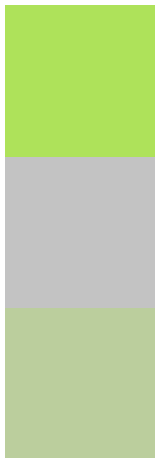
Original Color
84, 70.211, 121.998

Protanomaly
84, 63.479, 105.806

Deuteranomaly
83, 54.896, 97.799

Tritanomaly
84, 23.768, 138.529

Monochromacy



Original Color
84, 70.211, 121.998

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 26.839, 123.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 70.211, 121.998 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(174, 226, 90)` looks like.

```
.text, #text, p{  
    color:rgb(174, 226, 90)  
}
```

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(174, 226, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 226, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 70.211, 121.998 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(174, 226, 90) }
```

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

```
.border{ border-color:rgb(174, 226, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 226, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 226, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 226, 90);  
box-shadow:4px 4px 4px 4px rgb(174, 226,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 70.211, 121.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 226, 90) }
```

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

```
.background{ background-color: rgb(174,  
226, 90) }
```

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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