

Converting Colors

CIELCh(84, 89.138, 118.417)

Have a look what the booklet for
CIELCh(84, 89.138, 118.417)
contains.

CIELCh(84, 89.185, 118.354)	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, 89.185, 118.354)

Conversions

Conversions Part 1

Format	Color
Hex	ABE41F
RGB	171, 228, 31
RGB Percent	67%, 89%, 12%
CMY	0.3305, 0.1069, 0.8801
CMYK	0.25, 0.00, 0.87, 0.11
HSL	77°, 78%, 51%
HSV	77°, 87%, 89%
XYZ	44.6479, 64.0658, 11.2787
YIQ	188.4990, 29.2650, -73.3510

Conversions

Conversions Part 2

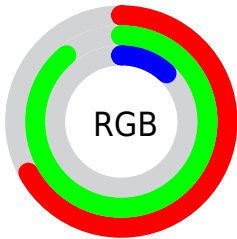
Format	Color
RYB	31, 228, 88
Decimal	11265055
CIELab	84.00, -42.36, 78.49
CIELCh	84, 89.185, 118.354
Yxy	64.0658, 0.3721, 0.5339
Android (android.graphics.Color)	4289455135 (0xFFABE41F)
YUV	188.4990, -77.6470, -15.3466
Hunter-Lab	80.0411, -40.5023, 47.6741

Details

The CIELCh color **84, 89.185, 118.354** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **35, 111.244, 308.149**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 75.130, 111.950**, and **64, 77.078, 121.811** is the 20% darker color. If you saturate the color by 10%, you get **84, 92.745, 119.197**, and if you desaturate by 10%, it is **84, 83.229, 117.975**.

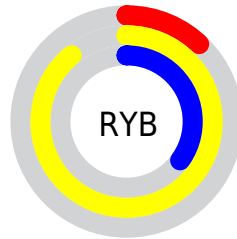
Distribution



Red (67%)

Green (89%)

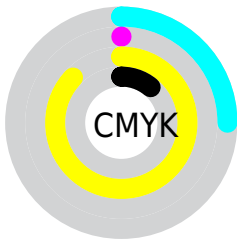
Blue (12%)



Red (12%)

Yellow (89%)

Blue (35%)

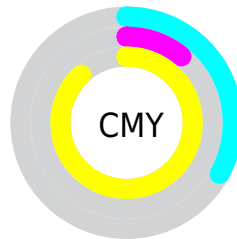


Cyan (25%)

Magenta (0%)

Yellow (87%)

Black (11%)



Cyan (33%)

Magenta (11%)


Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 89.185, 118.354 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, 89.185, 118.354 by changing the saturation by 10% instead.

 84, 89.185,
118.354

 84, 89.185,
118.354

 100, 89.185,
118.354

 74, 89.185,
118.354

 64, 89.185,
118.354

 54, 89.185,
118.354

 44, 89.185,
118.354

 34, 89.185,
118.354

 24, 89.185,
118.354

 14, 89.185,

118.354

■ 4, 89.185, 118.354

■ 0, 89.185, 118.354

■ 84, 89.185,
118.354

■ 84, 89.185,
118.354

■ 84, 92.745,
119.197

■ 84, 83.229,
117.975

■ 83, 93.643,
119.541

■ 85, 75.180,
117.976

■ 86, 65.577,
118.247

■ 86, 54.927,
118.690

■ 87, 43.614,

119.231

■ 88, 31.902,
119.819

■ 89, 19.966,
120.422

■ 90, 7.925, 121.019

■ 91, 4.140, 301.574

Harmonies

Complementary

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



84, 89.185, 118.354



35, 111.244, 308.149

Rectangle

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



84, 89.185, 118.354



84, 89.185, 168.354



84, 89.185, 298.354



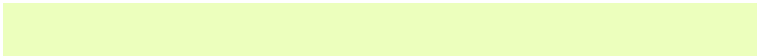
84, 89.185, 348.354

Sweetspot

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



84, 89.185, 118.356



97, 34.213, 119.844



55, 77.673, 47.393



52, 23.150, 119.636



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, 89.185, 118.356



92, 102.055, 119.630



80, 102.451, 134.064



48, 6.889, 120.848



67, 77.938, 119.315



19, 30.409, 118.890

Inverse Universe

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



35, 111.244, 308.149



35, 130.395, 308.017



48, 103.853, 320.640



44, 7.021, 301.965



24, 99.515, 308.210



3, 34.428, 303.899

Previews

White Background



This preview shows how the CIELCh color 84, 89.185, 118.354 looks on a white background.

Color Contrast Check

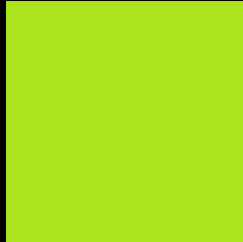
Large Text (above 18pt) WCAG AA × Fail

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, 89.185, 118.354 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, 89.185, 118.354

Background



This preview shows how black text looks on a background with the CIELCh color 84, 89.185, 118.354.

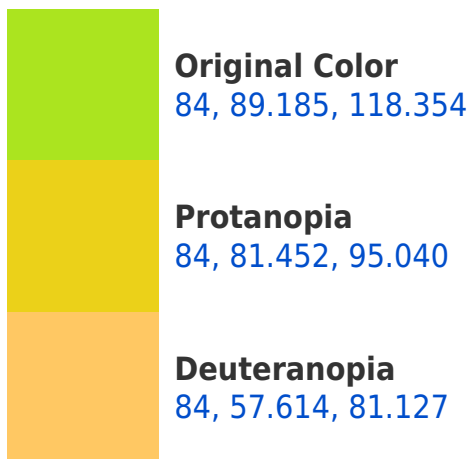


This preview shows how white text looks on a background with the CIELCh color 84, 89.185, 118.354.

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, 11.317, 251.732

Trichromacy



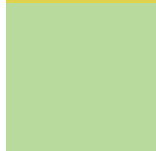
Original Color
84, 89.185, 118.354



Protanomaly
84, 82.469, 104.298



Deuteranomaly
83, 67.067, 99.120



Tritanomaly
83, 34.392, 129.776

Monochromacy



Original Color
84, 89.185, 118.354



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 38.025, 119.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 89.185, 118.354 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(171, 228, 31)` looks like.

```
.text, #text, p{  
    color:rgb(171, 228, 31)  
}
```

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(171, 228, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 228, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 89.185, 118.354 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(171, 228, 31) }
```

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

```
.border{ border-color:rgb(171, 228, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 228, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 228, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 228, 31);  
box-shadow:4px 4px 4px 4px rgb(171, 228,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 89.185, 118.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 228, 31) }
```

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

```
.background{ background-color: rgb(171,  
228, 31) }
```

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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