

Converting Colors

CIELCh(84, 83.559, 116.219)

Have a look what the booklet for
CIELCh(84, 83.559, 116.219)
contains.

CIELCh(84, 83.356, 116.085)	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, 83.356, 116.085)

Conversions

Conversions Part 1

Format	Color
Hex	B5E12F
RGB	181, 225, 47
RGB Percent	71%, 88%, 18%
CMY	0.2891, 0.1165, 0.8143
CMYK	0.20, 0.00, 0.79, 0.12
HSL	75°, 75%, 53%
HSV	75°, 79%, 88%
XYZ	46.6424, 64.0658, 12.6336
YIQ	191.5520, 30.9140, -64.6860

Conversions

Conversions Part 2

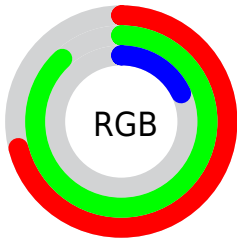
Format	Color
RYB	47, 225, 91
Decimal	11919663
CIELab	84.00, -36.65, 74.87
CIElCh	84, 83.356, 116.085
Yxy	64.0658, 0.3782, 0.5194
Android (android.graphics.Color)	4290109743 (0xFFB5E12F)
YUV	191.5520, -71.2641, -9.2541
Hunter-Lab	80.0411, -36.0544, 46.6705

Details

The CIELCh color **84, 83.356, 116.085** 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 **37, 103.282, 307.051**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 70.680, 109.741**, and **64, 74.871, 118.637** is the 20% darker color. If you saturate the color by 10%, you get **84, 88.558, 116.490**, and if you desaturate by 10%, it is **84, 75.957, 116.069**.

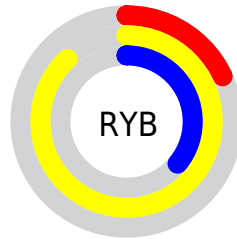
Distribution



Red (71%)

Green (88%)

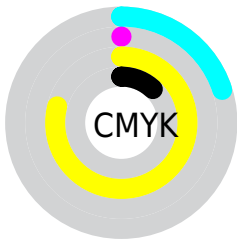
Blue (18%)



Red (18%)

Yellow (88%)

Blue (36%)

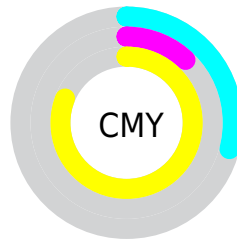


Cyan (20%)

Magenta (0%)

Yellow (79%)

Black (12%)



Cyan (29%)

Magenta (12%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 83.356, 116.085 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, 83.356, 116.085 by changing the saturation by 10% instead.

 84, 83.356,
116.085

 84, 83.356,
116.085

 100, 83.356,
116.085

 74, 83.356,
116.085


 64, 83.356,
116.085

 54, 83.356,
116.085

 44, 83.356,
116.085

 34, 83.356,
116.085

 24, 83.356,
116.085

 14, 83.356,

116.085

■ 4, 83.356, 116.085

■ 0, 83.356, 116.085

■ 84, 83.356,
116.085

■ 84, 83.356,
116.085

■ 84, 88.558,
116.490

■ 84, 75.957,
116.069

■ 83, 91.493,
117.307

■ 85, 66.875,
116.335

■ 83, 91.745,
117.397

■ 86, 56.636,
116.786

■ 86, 45.652,
117.349

■ 87, 34.211,

117.968

■ 88, 22.507,
118.609

■ 89, 10.666,
119.249

■ 90, 1.224, 299.842

■ 91, 13.104,
300.460

Harmonies

Complementary

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



84, 83.356, 116.085



37, 103.282, 307.051

Rectangle

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



84, 83.356, 116.085



84, 83.356, 166.085



84, 83.356, 296.085



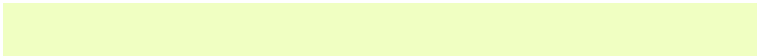
84, 83.356, 346.085

Sweetspot

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



84, 83.356, 116.087



98, 31.407, 118.276



55, 71.353, 44.271



52, 21.537, 118.046



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, 83.356, 116.087



93, 99.584, 117.007



80, 95.326, 133.026



47, 6.723, 119.220



66, 76.189, 117.187



18, 28.707, 117.186

Inverse Universe

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



37, 103.282, 307.051



36, 128.717, 307.622



48, 98.499, 319.233



43, 6.858, 300.422



23, 99.100, 307.735



3, 32.138, 301.820

Previews

White Background



This preview shows how the CIELCh color 84, 83.356, 116.085 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, 83.356, 116.085 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, 83.356, 116.085

Background



This preview shows how black text looks on a background with the CIELCh color 84, 83.356, 116.085.

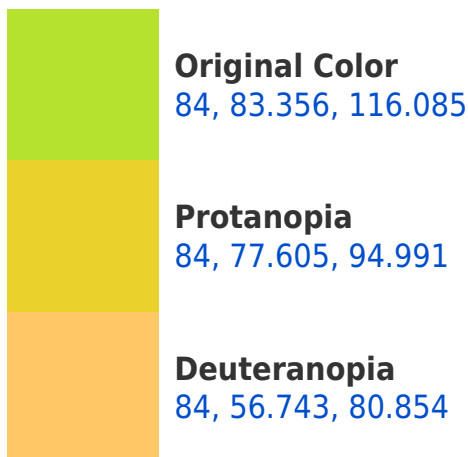


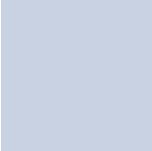
This preview shows how white text looks on a background with the CIELCh color 84, 83.356, 116.085.

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](#).

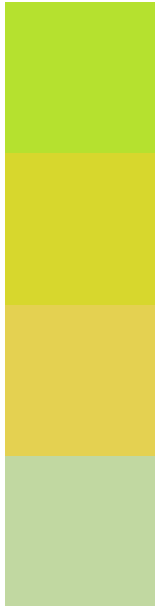
Dichromacy





Tritanopia
84, 9.054, 268.399

Trichromacy



Original Color
84, 83.356, 116.085

Protanomaly
84, 78.165, 103.425

Deuteranomaly
83, 64.156, 97.216

Tritanomaly
83, 30.038, 124.902

Monochromacy



Original Color
84, 83.356, 116.085

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 34.635, 117.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 83.356, 116.085 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(181, 225, 47)` looks like.

```
.text, #text, p{  
    color:rgb(181, 225, 47)  
}
```

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(181, 225, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 225, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 83.356, 116.085 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(181, 225, 47) }
```

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

```
.border{ border-color:rgb(181, 225, 47) }
```

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

Here you see how a box with a 4 pixel rgb(181, 225, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 225, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 225, 47);  
box-shadow:4px 4px 4px 4px rgb(181, 225,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 83.356, 116.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 225, 47) }
```

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

```
.background{ background-color: rgb(181,  
225, 47) }
```

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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