

Converting Colors

CIELCh(84, 72.231, 118.496)

Have a look what the booklet for
CIELCh(84, 72.231, 118.496)
contains.

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Color

CIELCh(84, 72.381, 118.734)

Conversions

Conversions Part 1

Format	Color
Hex	B5E151
RGB	181, 225, 81
RGB Percent	71%, 88%, 32%
CMY	0.2914, 0.1188, 0.6835
CMYK	0.20, 0.00, 0.64, 0.12
HSL	78°, 70%, 60%
HSV	78°, 64%, 88%
XYZ	47.3038, 64.0658, 17.5995
YIQ	195.4280, 20.0000, -54.1120

Conversions

Conversions Part 2

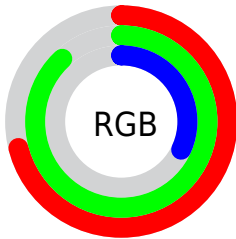
Format	Color
RYB	81, 225, 125
Decimal	11919697
CIELab	84.00, -34.80, 63.47
CIELCh	84, 72.381, 118.734
Yxy	64.0658, 0.3668, 0.4968
Android (android.graphics.Color)	4290109777 (0xFFB5E151)
YUV	195.4280, -56.4130, -12.6534
Hunter-Lab	80.0411, -34.5795, 42.9920

Details

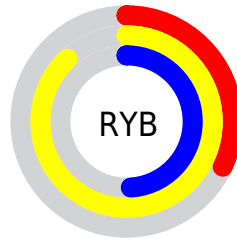
The CIELCh color **84, 72.381, 118.734** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **46, 84.155, 307.058**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 58.931, 111.519**, and **64, 72.694, 118.951** is the 20% darker color. If you saturate the color by 10%, you get **83, 80.842, 118.673**, and if you desaturate by 10%, it is **85, 62.528, 119.044**.

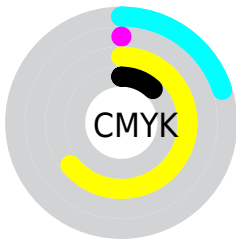
Distribution



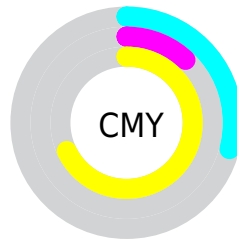
- Red (71%)
- Green (88%)
- Blue (32%)



- Red (32%)
- Yellow (88%)
- Blue (49%)



- Cyan (20%)
- Magenta (0%)
- Yellow (64%)
- Black (12%)



- Cyan (29%)
- Magenta (12%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 72.381, 118.734 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, 72.381, 118.734 by changing the saturation by 10% instead.

 84, 72.381,
118.734

 84, 72.381,
118.734

 100, 72.381,
118.734


 74, 72.381,
118.734

 64, 72.381,
118.734

 54, 72.381,
118.734

 44, 72.381,
118.734

 34, 72.381,
118.734

 24, 72.381,
118.734

 14, 72.381,

118.734

■ 4, 72.381, 118.734

■ 0, 72.381, 118.734

■ 84, 72.381,
118.734

■ 84, 72.381,
118.734

■ 83, 80.842,
118.673

■ 85, 62.528,
119.044

■ 83, 87.366,
118.970

■ 85, 51.752,
119.504

■ 82, 91.556,
119.722

■ 86, 40.400,
120.046

■ 82, 93.167,
120.335


■ 87, 28.706,
120.626


■ 88, 16.829,

121.214

 89, 4.874, 121.796

 90, 7.085, 302.327

 91, 16.227,
304.717

 92, 16.938,
312.567

Harmonies

Complementary

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



84, 72.381, 118.734



46, 84.155, 307.058

Rectangle

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



84, 72.381, 118.734



84, 72.381, 168.734



84, 72.381, 298.734



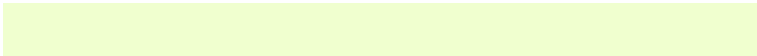
84, 72.381, 348.734

Sweetspot

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



84, 72.382, 118.736



98, 25.135, 120.917



62, 53.706, 48.835



52, 17.284, 120.748



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, 72.382, 118.736



93, 91.702, 118.729



80, 82.922, 134.979



47, 6.780, 121.484



66, 77.488, 120.098



18, 29.112, 119.986

Inverse Universe

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



46, 84.155, 307.058



45, 110.953, 308.062



55, 84.502, 321.288



43, 6.908, 302.566



23, 98.171, 308.433



3, 32.341, 303.464

Previews

White Background



This preview shows how the CIELCh color 84, 72.381, 118.734 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, 72.381, 118.734 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, 72.381, 118.734

Background



This preview shows how black text looks on a background with the CIELCh color 84, 72.381, 118.734.

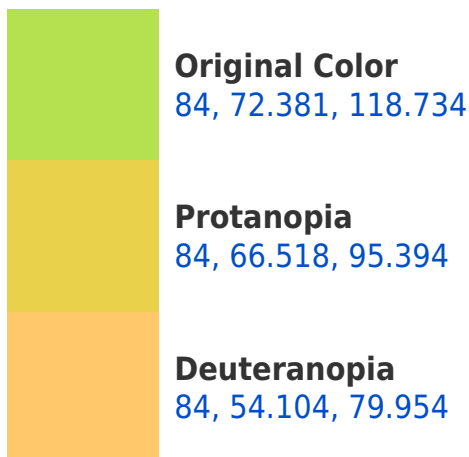


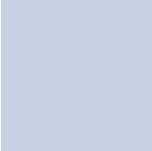
This preview shows how white text looks on a background with the CIELCh color 84, 72.381, 118.734.

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, 9.792, 265.938

Trichromacy



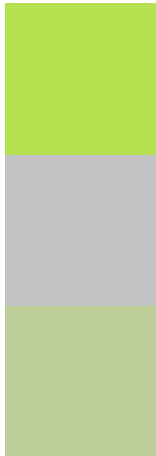
Original Color
84, 72.381, 118.734

Protanomaly
84, 67.130, 104.711

Deuteranomaly
83, 57.290, 97.023

Tritanomaly
83, 23.220, 130.332

Monochromacy



Original Color
84, 72.381, 118.734

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 28.541, 120.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 72.381, 118.734 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(181, 225, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 225, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 72.381, 118.734 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, 81) }
```

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

```
.border{ border-color:rgb(181, 225, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 225, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 225, 81);  
box-shadow:4px 4px 4px 4px rgb(181, 225,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 72.381, 118.734 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, 81) }
```

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

```
.background{ background-color: rgb(181,  
225, 81) }
```

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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