

Converting Colors

CIELCh(83, 58.907, 118.067)

Have a look what the booklet for
CIELCh(83, 58.907, 118.067)
contains.

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Color

CIELCh(83, 58.879, 118.077)

Conversions

Conversions Part 1

Format	Color
Hex	BBDB69
RGB	187, 219, 105
RGB Percent	73%, 86%, 41%
CMY	0.2672, 0.1417, 0.5887
CMYK	0.15, 0.00, 0.52, 0.14
HSL	77°, 61%, 63%
HSV	77°, 52%, 86%
XYZ	48.3045, 62.1629, 22.7855
YIQ	196.4360, 17.5220, -42.2380

Conversions

Conversions Part 2

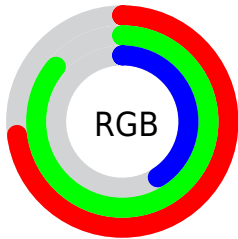
Format	Color
RYB	105, 219, 137
Decimal	12311401
CIELab	83.00, -27.71, 51.95
CIElCh	83, 58.879, 118.077
Yxy	62.1629, 0.3625, 0.4665
Android (android.graphics.Color)	4290501481 (0xFFBBDB69)
YUV	196.4360, -45.0779, -8.2754
Hunter-Lab	78.8435, -28.6158, 38.0558

Details

The CIELCh color **83, 58.879, 118.077** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **52, 66.381, 305.257**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 48.016, 111.205**, and **63, 59.069, 118.212** is the 20% darker color. If you saturate the color by 10%, you get **82, 68.679, 117.710**, and if you desaturate by 10%, it is **84, 48.255, 118.581**.

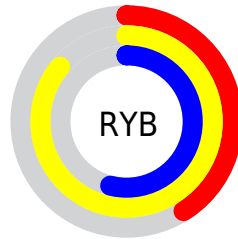
Distribution



Red (73%)

Green (86%)

Blue (41%)



Red (41%)

Yellow (86%)

Blue (54%)

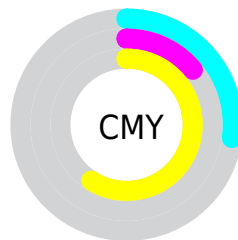


Cyan (15%)

Magenta (0%)

Yellow (52%)

Black (14%)



Cyan (27%)


Magenta (14%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 58.879, 118.077 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 83, 58.879, 118.077 by changing the saturation by 10% instead.


 83, 58.879,
118.077


 83, 58.879,
118.077


 100, 58.879,
118.077


 73, 58.879,
118.077

 63, 58.879,
118.077

 53, 58.879,
118.077

 43, 58.879,
118.077

 33, 58.879,
118.077

 23, 58.879,
118.077

 13, 58.879,

118.077

■ 3, 58.879, 118.077

■ 0, 58.879, 118.077

■ 83, 58.879,
118.077

■ 83, 58.879,
118.077

■ 82, 68.679,
117.710

■ 84, 48.255,
118.581

■ 82, 77.215,
117.560

■ 84, 37.118,
119.154

■ 81, 83.960,
117.737

■ 85, 25.679,
119.759

■ 81, 88.470,
118.340

■ 86, 14.081,
120.367

■ 81, 90.639,

■ 87, 2.418, 120.974

119.090

■ 88, 9.244, 301.519

■ 89, 19.273,
302.853

■ 90, 19.796,
308.856

■ 90, 20.522,
314.563

Harmonies

Complementary

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



83, 58.879, 118.077



52, 66.381, 305.257

Rectangle

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



83, 58.879, 118.077



83, 58.879, 168.077



83, 58.879, 298.077



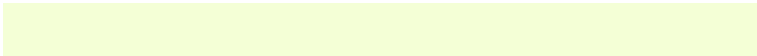
83, 58.879, 348.077

Sweetspot

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



83, 58.880, 118.079



98, 21.097, 120.121



65, 41.480, 45.884



52, 14.237, 119.994



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 58.880, 118.079



94, 77.544, 117.698



80, 67.028, 134.894



46, 6.628, 120.526



65, 76.080, 118.871



17, 27.473, 119.204

Inverse Universe

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



52, 66.381, 305.257



53, 90.234, 306.288



58, 68.735, 319.960



42, 6.756, 301.654



23, 97.511, 308.125



3, 30.125, 301.866

Previews

White Background



This preview shows how the CIELCh color 83, 58.879, 118.077 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 83, 58.879, 118.077 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 83, 58.879, 118.077

Background



This preview shows how black text looks on a background with the CIELCh color 83, 58.879, 118.077.

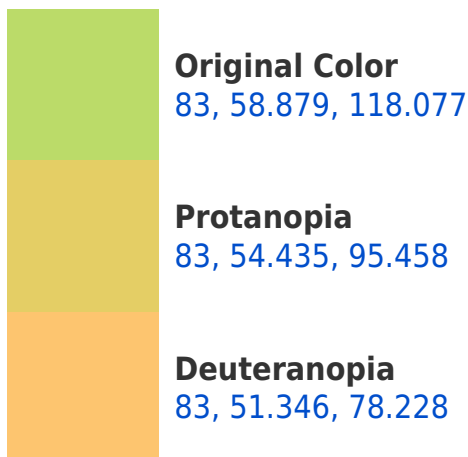


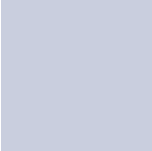
This preview shows how white text looks on a background with the CIELCh color 83, 58.879, 118.077.

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
83, 8.612, 279.206

Trichromacy



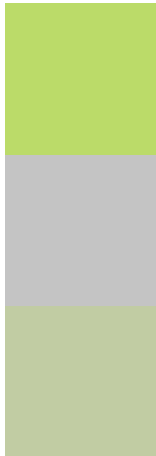
Original Color
83, 58.879, 118.077

Protanomaly
83, 55.217, 104.431

Deuteranomaly
83, 50.472, 94.109

Tritanomaly
83, 17.778, 127.276

Monochromacy



Original Color
83, 58.879, 118.077

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 22.047, 119.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 58.879, 118.077 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(187, 219, 105)` looks like.

```
.text, #text, p{  
    color:rgb(187, 219, 105)  
}
```

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(187, 219, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 219, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 58.879, 118.077 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(187, 219, 105) }
```

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

```
.border{ border-color:rgb(187, 219, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 219, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 219, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 219, 105); box-shadow:4px 4px 4px 4px rgb(187, 219, 105) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 58.879, 118.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 219, 105) }
```

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

```
.background{ background-color: rgb(187,  
219, 105) }
```

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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