

Converting Colors

CIELCh(81, 82.966, 118.843)

Have a look what the booklet for
CIELCh(81, 82.966, 118.843)
contains.

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Color

CIELCh(81, 82.829, 118.741)

Conversions

Conversions Part 1

Format	Color
Hex	A5DA2C
RGB	165, 218, 44
RGB Percent	65%, 85%, 17%
CMY	0.3520, 0.1442, 0.8263
CMYK	0.24, 0.00, 0.80, 0.14
HSL	78°, 70%, 51%
HSV	78°, 80%, 86%
XYZ	41.1577, 58.4711, 11.5285
YIQ	182.3170, 24.2660, -65.3500

Conversions

Conversions Part 2

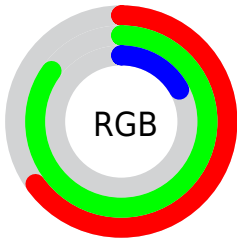
Format	Color
R_{YB}	44, 218, 97
Decimal	10869292
CIE _{Lab}	81.00, -39.83, 72.62
CIE _{LCh}	81, 82.829, 118.741
Yxy	58.4711, 0.3703, 0.5260
Android (android.graphics.Color)	4289059372 (0xFFA5DA2C)
YUV	182.3170, -68.1903, -15.1870
Hunter-Lab	76.4664, -37.7393, 44.5876

Details

The CIELCh color **81, 82.829, 118.741** 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 **37, 100.820, 308.153**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 73.213, 114.501**, and **61, 73.916, 121.494** is the 20% darker color. If you saturate the color by 10%, you get **81, 87.976, 119.278**, and if you desaturate by 10%, it is **82, 75.544, 118.623**.

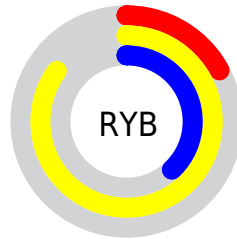
Distribution



Red (65%)

Green (85%)

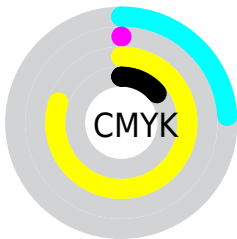
Blue (17%)



Red (17%)

Yellow (85%)

Blue (38%)

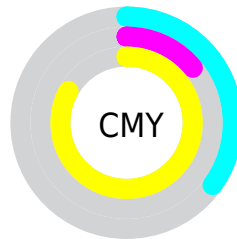


Cyan (24%)

Magenta (0%)

Yellow (80%)

Black (14%)



Cyan (35%)

Magenta (14%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 82.829, 118.741 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 81, 82.829, 118.741 by changing the saturation by 10% instead.


 81, 82.829,
118.741


 81, 82.829,
118.741


 100, 82.829,
118.741


 71, 82.829,
118.741


 61, 82.829,
118.741

 51, 82.829,
118.741

 41, 82.829,
118.741

 31, 82.829,
118.741

 21, 82.829,
118.741

 11, 82.829,

118.741

■ 1, 82.829, 118.741

■ 0, 82.829, 118.741

■ 81, 82.829,
118.741

■ 81, 82.829,
118.741

■ 81, 87.976,
119.278

■ 82, 75.544,
118.623

■ 80, 91.019,
120.235

■ 82, 66.610,
118.810

■ 80, 91.100,
120.265

■ 83, 56.537,
119.197

■ 83, 45.731,
119.700

■ 84, 34.475,

120.264

■ 85, 22.963,
120.850

■ 86, 11.322,
121.435

■ 87, 0.360, 301.846

■ 88, 12.022,
302.527

Harmonies

Complementary

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



81, 82.829, 118.741



37, 100.820, 308.153

Rectangle

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



81, 82.829, 118.741



81, 82.829, 168.741



81, 82.829, 298.741



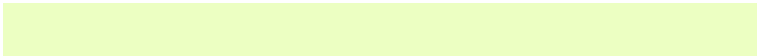
81, 82.829, 348.741

Sweetspot

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



81, 82.829, 118.743



97, 31.692, 120.584



56, 67.977, 48.673



52, 21.737, 120.374



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 82.829, 118.743



92, 101.480, 119.952



77, 95.024, 134.364



46, 6.652, 121.450



65, 76.625, 120.037



17, 27.641, 120.341

Inverse Universe

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



37, 100.820, 308.153



37, 128.075, 308.330



48, 96.252, 321.333



42, 6.777, 302.530



23, 97.119, 308.430



3, 30.201, 302.551

Previews

White Background



This preview shows how the CIELCh color 81, 82.829, 118.741 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 CIE LCh color 81, 82.829, 118.741 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 81, 82.829, 118.741

Background



This preview shows how black text looks on a background with the CIELCh color 81, 82.829, 118.741.



This preview shows how white text looks on a background with the CIELCh color 81, 82.829, 118.741.

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



Original Color

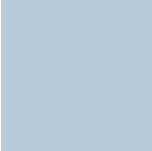
81, 82.829, 118.741

Protanopia

81, 75.612, 95.017

Deuteranopia

81, 71.251, 81.680



Tritanopia
81, 10.591, 252.789

Trichromacy



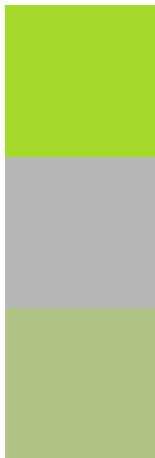
Original Color
81, 82.829, 118.741

Protanomaly
81, 76.234, 104.382

Deuteranomaly
80, 71.145, 96.647

Tritanomaly
80, 30.996, 131.077

Monochromacy



Original Color
81, 82.829, 118.741

Achromatopsia
74, 0.009, 296.813

Achromatomaly
76, 34.124, 120.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 82.829, 118.741 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(165, 218, 44)` looks like.

```
.text, #text, p{  
    color:rgb(165, 218, 44)  
}
```

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(165, 218, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 218, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 82.829, 118.741 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(165, 218, 44) }
```

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

```
.border{ border-color:rgb(165, 218, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 218, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 218, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 218, 44);  
box-shadow:4px 4px 4px 4px rgb(165, 218,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 82.829, 118.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 218, 44) }
```

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

```
.background{ background-color: rgb(165,  
218, 44) }
```

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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