

Converting Colors

CIELCh(81, 83.361, 116.588)

Have a look what the booklet for
CIELCh(81, 83.361, 116.588)
contains.

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Color

CIELCh(81, 83.381, 116.584)

Conversions

Conversions Part 1

Format	Color
Hex	ABD925
RGB	171, 217, 37
RGB Percent	67%, 85%, 15%
CMY	0.3291, 0.1487, 0.8544
CMYK	0.21, 0.00, 0.83, 0.15
HSL	75°, 71%, 50%
HSV	75°, 83%, 85%
XYZ	41.9840, 58.4711, 10.8334
YIQ	182.7260, 30.3640, -65.7320

Conversions

Conversions Part 2

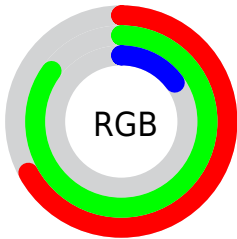
Format	Color
RYB	37, 217, 83
Decimal	11262245
CIELab	81.00, -37.31, 74.57
CIElCh	81, 83.381, 116.584
Yxy	58.4711, 0.3773, 0.5254
Android (android.graphics.Color)	4289452325 (0xFFABD925)
YUV	182.7260, -71.8429, -10.2837
Hunter-Lab	76.4664, -35.8105, 45.1266

Details

The CIELCh color **81, 83.381, 116.584** 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 **34, 104.217, 307.438**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 74.403, 112.385**, and **61, 72.789, 119.854** is the 20% darker color. If you saturate the color by 10%, you get **81, 87.586, 117.170**, and if you desaturate by 10%, it is **81, 76.923, 116.420**.

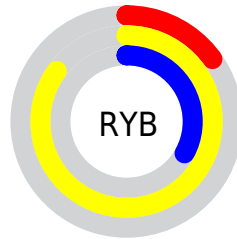
Distribution



Red (67%)

Green (85%)

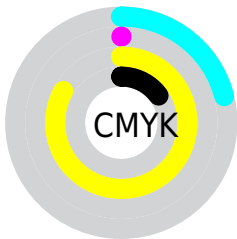
Blue (15%)



Red (15%)

Yellow (85%)

Blue (33%)

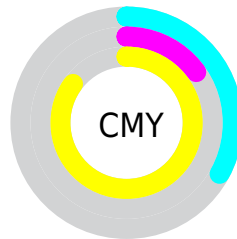


Cyan (21%)

Magenta (0%)

Yellow (83%)

Black (15%)



Cyan (33%)


Magenta (15%)


Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 83.381, 116.584 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, 83.381, 116.584 by changing the saturation by 10% instead.


 81, 83.381,
116.584

 81, 83.381,
116.584


 100, 83.381,
116.584

 71, 83.381,
116.584


 61, 83.381,
116.584

 51, 83.381,
116.584

 41, 83.381,
116.584

 31, 83.381,
116.584

 21, 83.381,
116.584

 11, 83.381,

116.584

■ 1, 83.381, 116.584

■ 0, 83.381, 116.584

■ 81, 83.381,
116.584

■ 81, 83.381,
116.584

■ 81, 87.586,
117.170

■ 81, 76.923,
116.420

■ 80, 89.419,
117.803

■ 82, 68.638,
116.580

■ 83, 59.052,
116.961

■ 83, 48.610,
117.479

■ 84, 37.635,

118.072

■ 85, 26.342,
118.698

■ 86, 14.877,
119.331

■ 86, 3.337, 119.958

■ 87, 8.213, 300.539

Harmonies

Complementary

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



81, 83.381, 116.584



34, 104.217, 307.438

Rectangle

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



81, 83.381, 116.584



81, 83.381, 166.584



81, 83.381, 296.584



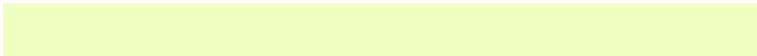
81, 83.381, 346.584

Sweetspot

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



81, 83.381, 116.586



97, 32.740, 118.551



53, 72.503, 45.433



52, 22.295, 118.328



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, 83.381, 116.586



93, 100.794, 117.826



77, 95.719, 133.393



46, 6.604, 119.548



66, 75.537, 117.603



17, 27.308, 117.977

Inverse Universe

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



34, 104.217, 307.438



35, 130.575, 307.649



46, 98.250, 319.680



42, 6.736, 300.728



22, 97.900, 307.834



2, 30.053, 301.184

Previews

White Background



This preview shows how the CIELCh color 81, 83.381, 116.584 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 81, 83.381, 116.584 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, 83.381, 116.584

Background



This preview shows how black text looks on a background with the CIELCh color 81, 83.381, 116.584.

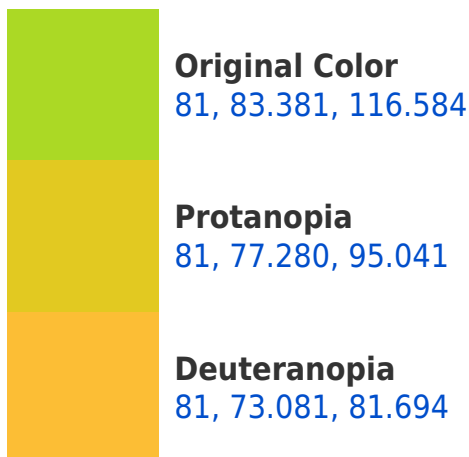


This preview shows how white text looks on a background with the CIELCh color 81, 83.381, 116.584.

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
81, 9.534, 262.675

Trichromacy



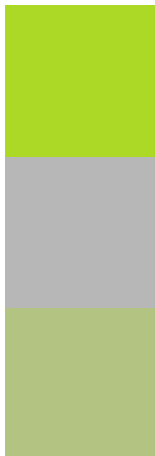
Original Color
81, 83.381, 116.584

Protanomaly
81, 77.933, 103.579

Deuteranomaly
80, 73.196, 95.623

Tritanomaly
80, 30.521, 126.198

Monochromacy



Original Color
81, 83.381, 116.584

Achromatopsia
74, 0.009, 296.813

Achromatomaly
76, 34.893, 117.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 83.381, 116.584 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, 217, 37)` looks like.

```
.text, #text, p{  
    color:rgb(171, 217, 37)  
}
```

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, 217, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 217, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 83.381, 116.584 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, 217, 37) }
```

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

```
.border{ border-color:rgb(171, 217, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 217, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 217, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 217, 37);  
box-shadow:4px 4px 4px 4px rgb(171, 217,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 83.381, 116.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 217, 37) }
```

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

```
.background{ background-color: rgb(171,  
217, 37) }
```

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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