

Converting Colors

CIELCh(82, 82.055, 117.037)

Have a look what the booklet for
CIELCh(82, 82.055, 117.037)
contains.

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Color

CIELCh(82, 81.925, 116.948)

Conversions

Conversions Part 1

Format	Color
Hex	AEDC2F
RGB	174, 220, 47
RGB Percent	68%, 86%, 18%
CMY	0.3182, 0.1378, 0.8163
CMYK	0.21, 0.00, 0.79, 0.14
HSL	76°, 71%, 52%
HSV	76°, 79%, 86%
XYZ	43.4892, 60.2982, 12.0176
YIQ	186.5240, 28.1170, -63.5550

Conversions

Conversions Part 2

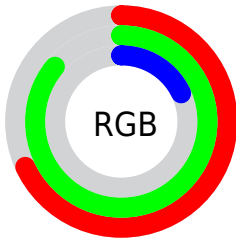
Format	Color
R_YB	47, 220, 93
Decimal	11459631
CIE Lab	82.00, -37.13, 73.03
CIE LCh	82, 81.925, 116.948
Yxy	60.2982, 0.3755, 0.5207
Android (android.graphics.Color)	4289649711 (0xFFAEDC2F)
YUV	186.5240, -68.7853, -10.9835
Hunter-Lab	77.6519, -35.9214, 45.1805

Details

The CIELCh color **82, 81.925, 116.948** 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, 100.775, 307.359**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 71.414, 111.929**, and **62, 73.535, 119.316** is the 20% darker color. If you saturate the color by 10%, you get **82, 87.184, 117.373**, and if you desaturate by 10%, it is **82, 74.539, 116.916**.

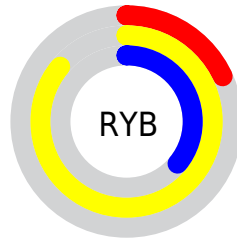
Distribution



Red (68%)

Green (86%)

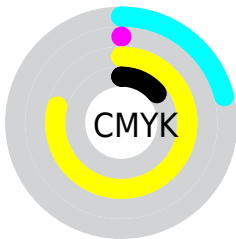
Blue (18%)



Red (18%)

Yellow (86%)

Blue (36%)

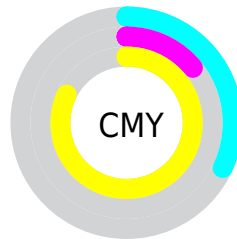


Cyan (21%)

Magenta (0%)

Yellow (79%)

Black (14%)



Cyan (32%)

Magenta (14%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 81.925, 116.948 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 82, 81.925, 116.948 by changing the saturation by 10% instead.


 82, 81.925,
116.948


 82, 81.925,
116.948


 100, 81.925,
116.948

 72, 81.925,
116.948

 62, 81.925,
116.948

 52, 81.925,
116.948

 42, 81.925,
116.948

 32, 81.925,
116.948

 22, 81.925,
116.948

 12, 81.925,

116.948

■ 2, 81.925, 116.948

■ 0, 81.925, 116.948

■ 82, 81.925,
116.948

■ 82, 81.925,
116.948

■ 82, 87.184,
117.373

■ 82, 74.539,
116.916

■ 81, 90.218,
118.222

■ 83, 65.532,
117.168

■ 81, 90.549,
118.342

■ 84, 55.414,
117.604

■ 84, 44.583,
118.150

■ 85, 33.317,

118.752

■ 86, 21.799,
119.374

■ 87, 10.155,
119.994

■ 88, 1.531, 300.565

■ 89, 13.203,
301.160

Harmonies

Complementary

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



82, 81.925, 116.948



37, 100.775, 307.359

Rectangle

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



82, 81.925, 116.948



82, 81.925, 166.948



82, 81.925, 296.948



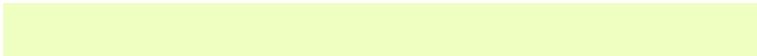
82, 81.925, 346.948

Sweetspot

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



82, 81.925, 116.950



98, 31.494, 119.030



55, 69.068, 45.302



52, 21.598, 118.807



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 81.925, 116.950



93, 99.798, 117.853



78, 93.693, 133.386



46, 6.614, 119.949



65, 75.755, 118.126



17, 27.374, 118.482

Inverse Universe

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



37, 100.775, 307.359



36, 127.787, 307.862



48, 96.326, 319.758



42, 6.744, 301.107



22, 97.744, 307.949



2, 30.081, 301.458

Previews

White Background



This preview shows how the CIELCh color 82, 81.925, 116.948 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 82, 81.925, 116.948 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 82, 81.925, 116.948

Background



This preview shows how black text looks on a background with the CIELCh color 82, 81.925, 116.948.

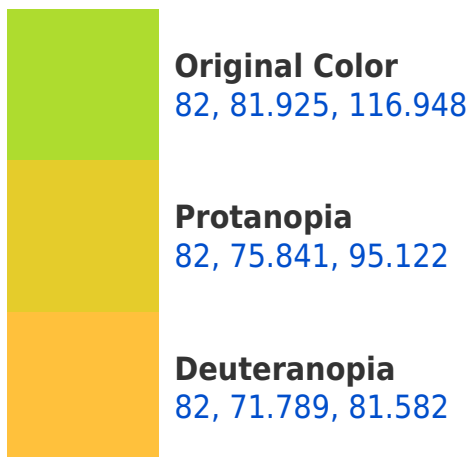


This preview shows how white text looks on a background with the CIELCh color 82, 81.925, 116.948.

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
82, 9.510, 262.650

Trichromacy



Original Color
82, 81.925, 116.948

Protanomaly
82, 76.721, 103.755

Deuteranomaly
81, 71.711, 96.047

Tritanomaly
81, 28.973, 127.241

Monochromacy



Original Color
82, 81.925, 116.948

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 33.799, 118.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 81.925, 116.948 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(174, 220, 47)` looks like.

```
.text, #text, p{  
    color:rgb(174, 220, 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(174, 220, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 220, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 81.925, 116.948 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(174, 220, 47) }
```

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

```
.border{ border-color:rgb(174, 220, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 220, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 220, 47); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 220, 47); box-shadow:4px 4px 4px 4px rgb(174, 220, 47) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 81.925, 116.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 220, 47) }
```

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

```
.background{ background-color: rgb(174,  
220, 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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