

Converting Colors

CIELCh(82, 83.037, 117.881)

Have a look what the booklet for
CIELCh(82, 83.037, 117.881)
contains.

CIELCh(82, 83.313, 118.070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 83.313, 118.070)

Conversions

Conversions Part 1

Format	Color
Hex	AADD2D
RGB	170, 221, 45
RGB Percent	67%, 87%, 18%
CMY	0.3343, 0.1342, 0.8246
CMYK	0.23, 0.00, 0.80, 0.13
HSL	77°, 72%, 52%
HSV	77°, 80%, 87%
XYZ	42.7900, 60.2982, 11.8367
YIQ	185.6870, 26.1000, -65.5480

Conversions

Conversions Part 2

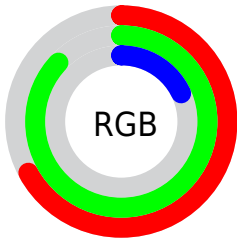
Format	Color
RYB	45, 221, 96
Decimal	11197741
CIELab	82.00, -39.20, 73.51
CIELCh	82, 83.313, 118.070
Yxy	60.2982, 0.3723, 0.5247
Android (android.graphics.Color)	4289387821 (0xFFAADD2D)
YUV	185.6870, -69.3587, -13.7575
Hunter-Lab	77.6519, -37.5287, 45.3186

Details

The CIELCh color **82, 83.313, 118.070** 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, 101.978, 307.872**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 72.465, 113.043**, and **62, 74.643, 120.959** is the 20% darker color. If you saturate the color by 10%, you get **82, 88.428, 118.587**, and if you desaturate by 10%, it is **83, 76.029, 117.968**.

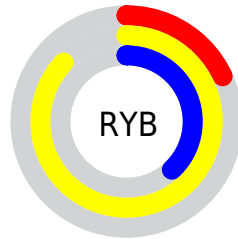
Distribution



Red (67%)

Green (87%)

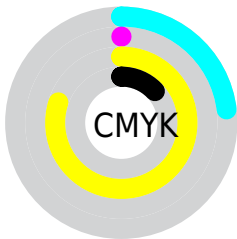
Blue (18%)



Red (18%)

Yellow (87%)

Blue (38%)

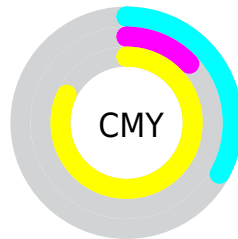


Cyan (23%)

Magenta (0%)

Yellow (80%)

Black (13%)



Cyan (33%)


Magenta (13%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 83.313, 118.070 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, 83.313, 118.070 by changing the saturation by 10% instead.


 82, 83.313,
118.070


 82, 83.313,
118.070


 100, 83.313,
118.070


 72, 83.313,
118.070

 62, 83.313,
118.070

 52, 83.313,
118.070

 42, 83.313,
118.070

 32, 83.313,
118.070

 22, 83.313,
118.070

 12, 83.313,

118.070

■ 2, 83.313, 118.070

■ 0, 83.313, 118.070

■ 82, 83.313,
118.070

■ 82, 83.313,
118.070

■ 82, 88.428,
118.587

■ 83, 76.029,
117.968

■ 81, 91.413,
119.519

■ 83, 67.069,
118.167

■ 81, 91.480,
119.544

■ 84, 56.950,
118.566

■ 84, 46.085,
119.081

■ 85, 34.762,

119.657

■ 86, 23.176,
120.256

■ 87, 11.456,
120.855

■ 88, 0.310, 301.275

■ 89, 12.059,
301.978

Harmonies

Complementary

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



82, 83.313, 118.070



37, 101.978, 307.872

Rectangle

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



82, 83.313, 118.070



82, 83.313, 168.070



82, 83.313, 298.070



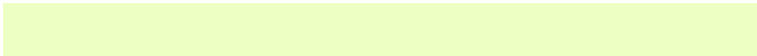
82, 83.313, 348.070

Sweetspot

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



82, 83.313, 118.072



97, 31.613, 119.989



56, 69.217, 47.522



52, 21.681, 119.774



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, 83.313, 118.072



92, 101.032, 119.231



78, 95.557, 134.049



46, 6.637, 120.874



65, 76.281, 119.313



17, 27.535, 119.634

Inverse Universe

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



37, 101.978, 307.872



36, 128.393, 308.127



48, 97.238, 320.797



42, 6.764, 301.983



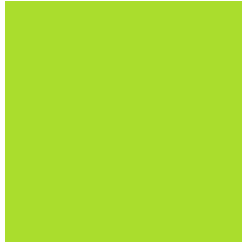
23, 97.366, 308.237



3, 30.152, 302.119

Previews

White Background



This preview shows how the CIELCh color 82, 83.313, 118.070 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, 83.313, 118.070 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, 83.313, 118.070

Background



This preview shows how black text looks on a background with the CIELCh color 82, 83.313, 118.070.



This preview shows how white text looks on a background with the CIELCh color 82, 83.313, 118.070.

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
82, 83.313, 118.070

Protanopia
82, 76.621, 95.134

Deuteranopia
82, 72.127, 81.651



Tritanopia
82, 10.182, 255.806

Trichromacy



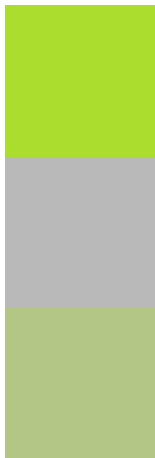
Original Color
82, 83.313, 118.070

Protanomaly
82, 77.258, 104.350

Deuteranomaly
81, 71.968, 96.398

Tritanomaly
81, 30.002, 129.567

Monochromacy



Original Color
82, 83.313, 118.070

Achromatopsia
75, 0.009, 296.813

Achromatomaly
77, 34.567, 119.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 83.313, 118.070 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(170, 221, 45)` looks like.

```
.text, #text, p{  
    color:rgb(170, 221, 45)  
}
```

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(170, 221, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 221, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 83.313, 118.070 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(170, 221, 45) }
```

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

```
.border{ border-color:rgb(170, 221, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 221, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 221, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 221, 45);  
box-shadow:4px 4px 4px 4px rgb(170, 221,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 83.313, 118.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 221, 45) }
```

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

```
.background{ background-color: rgb(170,  
221, 45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor