

Converting Colors

CIELCh(83, 88.900, 112.958)

Have a look what the booklet for
CIELCh(83, 88.900, 112.958)
contains.

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Color

CIELCh(83, 88.657, 112.999)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B8DD01 |
| RGB | 184, 221, 1 |
| RGB Percent | 72%, 87%, 0% |
| CMY | 0.2768, 0.1318, 0.9947 |
| CMYK | 0.17, 0.00, 0.99, 0.13 |
| HSL | 70°, 99%, 44% |
| HSV | 70°, 99%, 87% |
| XYZ | 45.8319, 62.1629, 9.6207 |
| YIQ | 184.8570, 48.5680, -76.2640 |

Conversions

Conversions Part 2

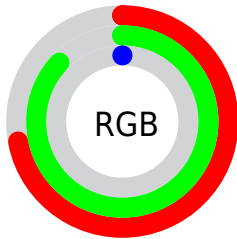
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 1, 221, 38 |
| Decimal | 12115201 |
| CIELab | 83.00, -34.64, 81.61 |
| CIELCh | 83, 88.657, 112.999 |
| Yxy | 62.1629, 0.3897, 0.5285 |
| Android (android.graphics.Color) | 4290305281 (0xFFB8DD01) |
| YUV | 184.8570, -90.6415, -0.7516 |
| Hunter-Lab | 78.8435, -34.2137, 47.9557 |

Details

The CIELCh color **83, 88.657, 112.999** 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 **29, 118.715, 306.922**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.759, 107.474**, and **63, 72.835, 116.803** is the 20% darker color. If you saturate the color by 10%, you get **83, 88.789, 113.038**, and if you desaturate by 10%, it is **83, 86.075, 112.437**.

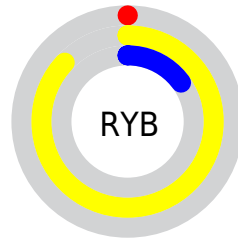
Distribution



Red (72%)

Green (87%)

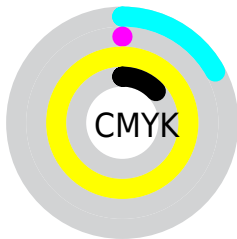
Blue (0%)



Red (0%)

Yellow (87%)

Blue (15%)

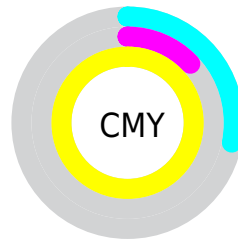


Cyan (17%)

Magenta (0%)

Yellow (99%)

Black (13%)



Cyan (28%)

Magenta (13%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 88.657, 112.999 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, 88.657, 112.999 by changing the saturation by 10% instead.

■ 83, 88.657,
112.999

■ 83, 88.657,
112.999

■ 100, 88.657,
112.999

■ 73, 88.657,
112.999

■ 63, 88.657,
112.999

■ 53, 88.657,
112.999

■ 43, 88.657,
112.999

■ 33, 88.657,
112.999

■ 23, 88.657,
112.999

■ 13, 88.657,

112.999

■ 3, 88.657, 112.999

■ 0, 88.657, 112.999

■ 83, 88.657,
112.999

■ 83, 88.657,
112.999

■ 83, 88.789,
113.038

■ 83, 86.075,
112.437

■ 84, 81.274,
112.223

■ 84, 74.263,
112.346

■ 84, 65.546,
112.722

■ 85, 55.650,

113.269

■ 85, 44.992,
113.919

■ 86, 33.864,
114.627

■ 87, 22.459,
115.357

■ 87, 10.904,
116.088

Harmonies

Complementary

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



83, 88.657, 112.999



29, 118.715, 306.922

Rectangle

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



83, 88.657, 112.999



83, 88.657, 162.999



83, 88.657, 292.999



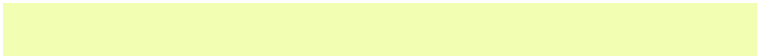
83, 88.657, 342.999

Sweetspot

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



83, 88.657, 113.001



97, 38.737, 114.566



48, 90.273, 42.260



52, 26.341, 114.262



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, 88.657, 113.001



94, 98.819, 113.114



78, 102.880, 132.617



46, 6.539, 116.085



67, 73.943, 112.882



17, 26.839, 113.482

Inverse Universe

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



29, 118.715, 306.922



33, 132.519, 306.898



41, 108.191, 316.253



42, 6.678, 297.475



21, 99.034, 307.037



2, 29.856, 299.031

Previews

White Background



This preview shows how the CIELCh color 83, 88.657, 112.999 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, 88.657, 112.999 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, 88.657, 112.999

Background



This preview shows how black text looks on a background with the CIELCh color 83, 88.657, 112.999.



This preview shows how white text looks on a background with the CIELCh color 83, 88.657, 112.999.

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](#).

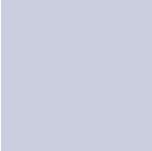
Dichromacy



Original Color
83, 88.572, 113.015

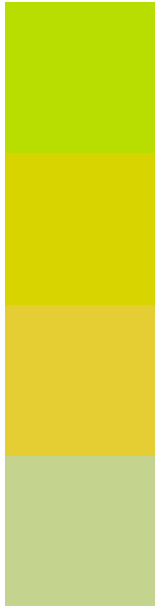
Protanopia
83, 83.656, 94.989

Deuteranopia
83, 65.003, 81.752



Tritanopia
83, 8.554, 281.498

Trichromacy



Original Color
83, 88.572, 113.015

Protanomaly
83, 84.311, 101.964

Deuteranomaly
82, 74.107, 95.830

Tritanomaly
82, 36.904, 116.940

Monochromacy



Original Color
83, 88.572, 113.015

Achromatopsia
75, 0.009, 296.813

Achromatomaly
77, 42.083, 113.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 88.657, 112.999 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(184, 221, 1)` looks like.

```
.text, #text, p{  
    color:rgb(184, 221, 1)  
}
```

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(184, 221, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 221, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 88.657, 112.999 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(184, 221, 1) }
```

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

```
.border{ border-color:rgb(184, 221, 1) }
```

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

Here you see how a box with a 4 pixel rgb(184, 221, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 221, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 221, 1);  
box-shadow:4px 4px 4px 4px rgb(184, 221,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 88.657, 112.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 221, 1) }
```

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

```
.background{ background-color: rgb(184,  
221, 1) }
```

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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