

Converting Colors

CIELCh(78, 83.805, 111.373)

Have a look what the booklet for
CIELCh(78, 83.805, 111.373)
contains.

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Color

CIELCh(78, 83.650, 111.420)

Conversions

Conversions Part 1

Format	Color
Hex	B1CE00
RGB	177, 206, 0
RGB Percent	69%, 81%, 0%
CMY	0.3078, 0.1939, 1.0000
CMYK	0.14, 0.00, 1.00, 0.19
HSL	68°, 100%, 40%
HSV	68°, 100%, 81%
XYZ	39.9772, 53.2120, 8.1238
YIQ	173.8450, 48.8420, -70.2140

Conversions

Conversions Part 2

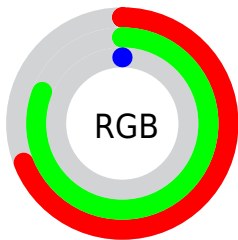
Format	Color
RYB	0, 206, 29
Decimal	11652608
CIELab	78.00, -30.55, 77.87
CIELCh	78, 83.650, 111.420
Yxy	53.2120, 0.3946, 0.5252
Android (android.graphics.Color)	4289842688 (0xFFB1CE00)
YUV	173.8450, -85.7056, 2.7669
Hunter-Lab	72.9466, -29.8323, 44.4597

Details

The CIELCh color **78, 83.650, 111.420** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **26, 112.821, 306.797**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 80.431, 109.346**, and **58, 67.824, 115.460** is the 20% darker color. If you saturate the color by 10%, you get **78, 83.519, 111.445**, and if you desaturate by 10%, it is **78, 81.107, 110.999**.

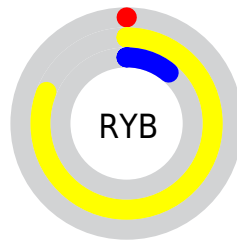
Distribution



Red (69%)

Green (81%)

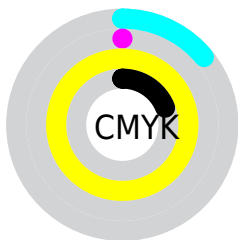
Blue (0%)



Red (0%)

Yellow (81%)

Blue (11%)

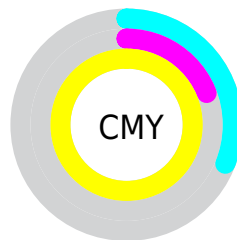


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (31%)


Magenta (19%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 83.650, 111.420 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 78, 83.650, 111.420 by changing the saturation by 10% instead.


 78, 83.650,
111.420

 78, 83.650,
111.420


 100, 83.650,
111.420


 68, 83.650,
111.420


 98, 83.650,
111.420

 58, 83.650,
111.420

 48, 83.650,
111.420

 38, 83.650,
111.420

 28, 83.650,
111.420

 18, 83.650,
111.420

 8, 83.650, 111.420

■ 0, 83.650, 111.420

■ 78, 83.650,
111.420

■ 78, 83.650,
111.420

■ 78, 83.519,
111.445

■ 78, 81.107,
110.999

■ 79, 76.703,
110.859

■ 79, 70.207,
111.034

■ 79, 62.090,
111.449

■ 80, 52.846,
112.028

■ 80, 42.871,
112.708

■ 81, 32.443,
113.445

■ 81, 21.746,
114.205

■ 82, 10.902,
114.967

Harmonies

Complementary

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



78, 83.650, 111.420



26, 112.821, 306.797

Rectangle

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



78, 83.650, 111.420



78, 83.650, 161.420



78, 83.650, 291.420



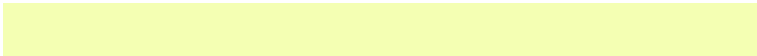
78, 83.650, 341.420

Sweetspot

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



78, 83.519, 111.445



98, 38.636, 113.416



44, 86.597, 41.666



52, 26.270, 113.098



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 83.519, 111.445



95, 98.287, 111.548



73, 96.601, 131.879



43, 6.146, 115.013



64, 71.144, 111.321



14, 22.158, 113.552

Inverse Universe

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



26, 112.821, 306.797



33, 132.852, 306.736



36, 103.172, 315.271



39, 6.279, 296.463



20, 96.023, 306.876



2, 23.646, 296.087

Previews

White Background



This preview shows how the CIELCh color 78, 83.650, 111.420 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 78, 83.650, 111.420 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 78, 83.650, 111.420

Background



This preview shows how black text looks on a background with the CIELCh color 78, 83.650, 111.420.



This preview shows how white text looks on a background with the CIELCh color 78, 83.650, 111.420.

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


78, 83.650, 111.420

Protanopia

78, 79.366, 95.102

Deuteranopia

78, 75.516, 82.482



Tritanopia
78, 8.060, 293.458

Trichromacy



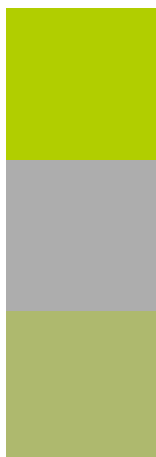
Original Color
78, 83.650, 111.420

Protanomaly
78, 80.115, 101.589

Deuteranomaly
78, 76.440, 93.680

Tritanomaly
77, 34.465, 113.761

Monochromacy



Original Color
78, 83.650, 111.420

Achromatopsia
71, 0.009, 296.813

Achromatomaly
73, 39.892, 112.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 83.650, 111.420 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(177, 206, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 206, 0)  
}
```

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(177, 206, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 206, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 83.650, 111.420 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(177, 206, 0) }
```

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

```
.border{ border-color:rgb(177, 206, 0) }
```

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

Here you see how a box with a 4 pixel rgb(177, 206, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 206, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 206, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 206,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 83.650, 111.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 206, 0) }
```

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

```
.background{ background-color: rgb(177,  
206, 0) }
```

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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