

Converting Colors

CIELCh(76, 92.634, 109.033)

Have a look what the booklet for
CIELCh(76, 92.634, 109.033)
contains.

CIELCh(76, 81.732, 111.068)	3
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Color

CIELCh(76, 81.732, 111.068)

Conversions

Conversions Part 1

Format	Color
Hex	ACC700
RGB	172, 199, 0
RGB Percent	67%, 78%, 0%
CMY	0.3237, 0.2177, 1.0000
CMYK	0.14, 0.00, 1.00, 0.22
HSL	68°, 100%, 39%
HSV	68°, 100%, 78%
XYZ	37.6386, 49.8872, 7.6014
YIQ	168.2410, 47.7870, -67.6130

Conversions

Conversions Part 2

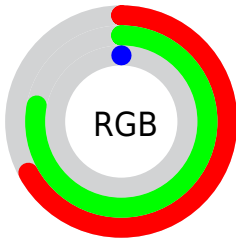
Format	Color
RYB	0, 199, 27
Decimal	11323136
CIELab	76.00, -29.38, 76.27
CIELCh	76, 81.732, 111.068
Yxy	49.8872, 0.3957, 0.5244
Android (android.graphics.Color)	4289513216 (0xFFACC700)
YUV	168.2410, -82.9428, 3.2966
Hunter-Lab	70.6309, -28.4829, 43.0607

Details

The CIELCh color **76, 81.732, 111.068** 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 **25, 110.362, 306.774**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 81.070, 111.008**, and **56, 65.353, 114.868** is the 20% darker color. If you saturate the color by 10%, you get **76, 81.582, 111.097**, and if you desaturate by 10%, it is **76, 79.185, 110.683**.

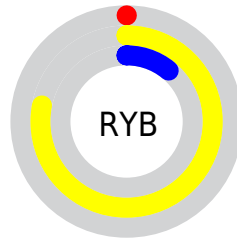
Distribution



Red (67%)

Green (78%)

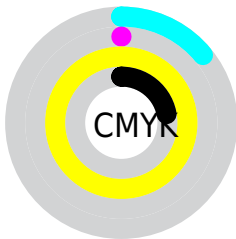
Blue (0%)



Red (0%)

Yellow (78%)

Blue (11%)

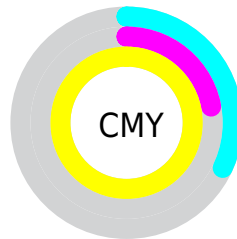


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (32%)


Magenta (22%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 81.732, 111.068 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 76, 81.732, 111.068 by changing the saturation by 10% instead.


 76, 81.732,
111.068


 76, 81.732,
111.068


 100, 81.732,
111.068


 66, 81.732,
111.068


 96, 81.732,
111.068

 56, 81.732,
111.068

 46, 81.732,
111.068

 36, 81.732,
111.068

 26, 81.732,
111.068

 16, 81.732,
111.068

 6, 81.732, 111.068

■ 0, 81.732, 111.068

■ 76, 81.732,
111.068

■ 76, 81.732,
111.068

■ 76, 81.582,
111.097

■ 76, 79.185,
110.683

■ 76, 74.863,
110.567

■ 77, 68.508,
110.759

■ 77, 60.578,
111.186

■ 78, 51.555,
111.774

■ 78, 41.822,
112.461

■ 79, 31.649,
113.204

■ 79, 21.214,
113.971

■ 80, 10.635,
114.739

Harmonies

Complementary

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



76, 81.732, 111.068



25, 110.362, 306.774

Rectangle

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



76, 81.732, 111.068



76, 81.732, 161.068



76, 81.732, 291.068



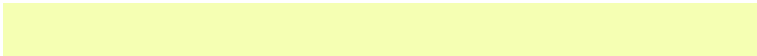
76, 81.732, 341.068

Sweetspot

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



76, 81.582, 111.097



98, 38.617, 113.171



43, 84.636, 41.700



52, 26.257, 112.850



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 81.582, 111.097



95, 98.184, 111.212



71, 94.430, 131.851



42, 6.017, 114.786



63, 70.263, 110.983



13, 20.525, 113.969

Inverse Universe

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



25, 110.362, 306.774



33, 132.916, 306.705



35, 100.872, 315.292



38, 6.146, 296.247



19, 94.974, 306.847



1, 21.595, 295.316

Previews

White Background



This preview shows how the CIELCh color 76, 81.732, 111.068 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 76, 81.732, 111.068 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 76, 81.732, 111.068

Background



This preview shows how black text looks on a background with the CIELCh color 76, 81.732, 111.068.

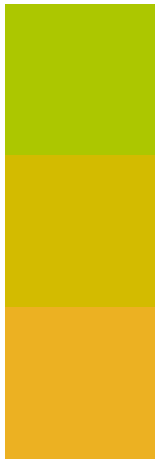


This preview shows how white text looks on a background with the CIELCh color 76, 81.732, 111.068.

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
76, 81.435, 111.105

Protanopia
76, 77.568, 94.873

Deuteranopia
76, 73.704, 82.197



Tritanopia
76, 8.180, 298.517

Trichromacy



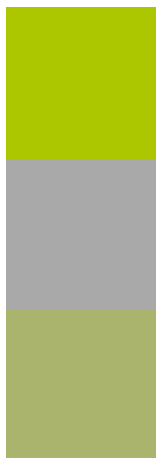
Original Color
76, 81.435, 111.105

Protanomaly
76, 78.308, 101.227

Deuteranomaly
75, 74.532, 93.396

Tritanomaly
75, 33.519, 112.603

Monochromacy



Original Color
76, 81.435, 111.105

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 38.490, 112.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 81.732, 111.068 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(172, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 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(172, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 81.732, 111.068 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(172, 199, 0) }
```

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

```
.border{ border-color:rgb(172, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 199,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 81.732, 111.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 199, 0) }
```

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

```
.background{ background-color: rgb(172,  
199, 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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