

Converting Colors

CIELCh(76, 77.143, 112.021)

Have a look what the booklet for
CIELCh(76, 77.143, 112.021)
contains.

CIELCh(76, 76.970, 111.934)	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(76, 76.970, 111.934)

Conversions

Conversions Part 1

Format	Color
Hex	ACC720
RGB	172, 199, 32
RGB Percent	67%, 78%, 13%
CMY	0.3243, 0.2185, 0.8729
CMYK	0.14, 0.00, 0.84, 0.22
HSL	70°, 72%, 45%
HSV	70°, 84%, 78%
XYZ	37.8325, 49.8872, 9.0313
YIQ	171.8890, 37.5150, -57.6610

Conversions

Conversions Part 2

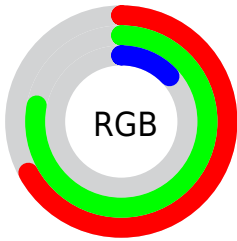
Format	Color
R_{YB}	32, 199, 59
Decimal	11323168
CIE Lab	76.00, -28.75, 71.40
CIE LCh	76, 76.970, 111.934
Yxy	49.8872, 0.3910, 0.5156
Android (android.graphics.Color)	4289513248 (0xFFACC720)
YUV	171.8890, -68.9653, 0.0973
Hunter-Lab	70.6309, -27.9929, 41.8604

Details

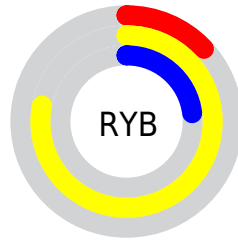
The CIELCh color **76, 76.970, 111.934** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **30, 99.157, 306.087**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 76.674, 111.698**, and **56, 65.353, 114.868** is the 20% darker color. If you saturate the color by 10%, you get **76, 80.528, 112.269**, and if you desaturate by 10%, it is **76, 71.277, 111.954**.

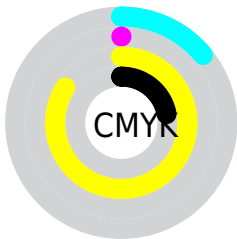
Distribution



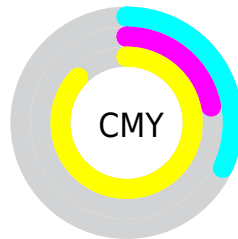
- Red (67%)
- Green (78%)
- Blue (13%)



- Red (13%)
- Yellow (78%)
- Blue (23%)



- Cyan (14%)
- Magenta (0%)
- Yellow (84%)
- Black (22%)





- Cyan (32%)
- Magenta (22%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 76.970, 111.934 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, 76.970, 111.934 by changing the saturation by 10% instead.


 76, 76.970,
111.934


 76, 76.970,
111.934


 100, 76.970,
111.934


 66, 76.970,
111.934


 96, 76.970,
111.934

 56, 76.970,
111.934

 46, 76.970,
111.934

 36, 76.970,
111.934

 26, 76.970,
111.934

 16, 76.970,
111.934

 6, 76.970, 111.934

■ 0, 76.970, 111.934

■ 76, 76.970,
111.934

■ 76, 76.970,
111.934

■ 76, 80.528,
112.269

■ 76, 71.277,
111.954

■ 76, 81.927,
112.615

■ 77, 63.833,
112.253

■ 77, 55.134,
112.747

■ 78, 45.601,
113.367

■ 78, 35.543,
114.059

■ 79, 25.169,
114.787

■ 79, 14.614,
115.522

■ 80, 3.971, 116.248

■ 81, 6.700, 296.955

Harmonies

Complementary

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



76, 76.970, 111.934



30, 99.157, 306.087

Rectangle

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



76, 76.970, 111.934



76, 76.970, 161.934



76, 76.970, 291.934



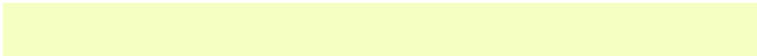
76, 76.970, 341.934

Sweetspot

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



76, 76.970, 111.936



98, 32.361, 114.667



46, 71.826, 40.281



52, 22.032, 114.406



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, 76.970, 111.936



94, 98.687, 112.749



72, 87.695, 131.131



42, 6.030, 115.840



63, 70.605, 112.482



13, 20.621, 115.455

Inverse Universe

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



30, 99.157, 306.087



33, 132.602, 306.857



39, 93.256, 316.622



38, 6.158, 297.230



20, 94.723, 307.020



1, 21.621, 296.004

Previews

White Background



This preview shows how the CIELCh color 76, 76.970, 111.934 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, 76.970, 111.934 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, 76.970, 111.934

Background



This preview shows how black text looks on a background with the CIELCh color 76, 76.970, 111.934.



This preview shows how white text looks on a background with the CIELCh color 76, 76.970, 111.934.

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, 76.970, 111.934

Protanopia

76, 73.480, 94.827

Deuteranopia

76, 70.181, 81.886



Tritanopia
76, 8.136, 296.005

Trichromacy



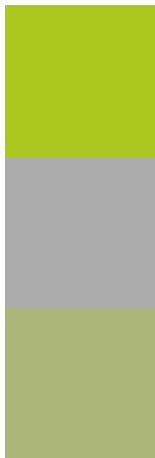
Original Color
76, 76.970, 111.934

Protanomaly
76, 73.762, 101.165

Deuteranomaly
75, 70.018, 93.592

Tritanomaly
75, 27.327, 114.357

Monochromacy



Original Color
76, 76.970, 111.934

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 32.822, 114.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 76.970, 111.934 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 76.970, 111.934 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, 32) }
```

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

```
.border{ border-color:rgb(172, 199, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 199, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 199, 32);  
box-shadow:4px 4px 4px 4px rgb(172, 199,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 76.970, 111.934 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, 32) }
```

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

```
.background{ background-color: rgb(172,  
199, 32) }
```

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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