

Converting Colors

CIELCh(76, 81.322, 109.986)

Have a look what the booklet for
CIELCh(76, 81.322, 109.986)
contains.

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Color

CIELCh(76, 81.230, 110.218)

Conversions

Conversions Part 1

Format	Color
Hex	AFC700
RGB	175, 199, 0
RGB Percent	69%, 78%, 0%
CMY	0.3142, 0.2201, 1.0000
CMYK	0.12, 0.00, 1.00, 0.22
HSL	67°, 100%, 39%
HSV	67°, 100%, 78%
XYZ	38.0424, 49.8872, 7.6135
YIQ	169.1380, 49.5750, -66.9770

Conversions

Conversions Part 2

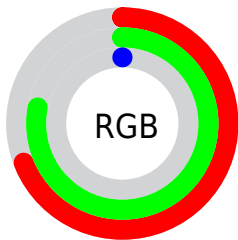
Format	Color
RYB	0, 199, 24
Decimal	11519744
CIELab	76.00, -28.07, 76.22
CIELCh	76, 81.230, 110.218
Yxy	49.8872, 0.3982, 0.5221
Android (android.graphics.Color)	4289709824 (0xFFAFC700)
YUV	169.1380, -83.3850, 5.1410
Hunter-Lab	70.6309, -27.4626, 43.0506

Details

The CIELCh color **76, 81.230, 110.218** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **25, 110.247, 306.695**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 80.917, 110.157**, and **56, 65.048, 113.746** is the 20% darker color. If you saturate the color by 10%, you get **76, 81.195, 110.226**, and if you desaturate by 10%, it is **76, 78.833, 109.873**.

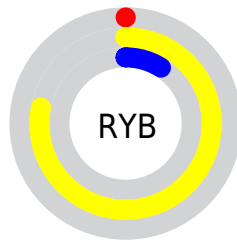
Distribution



Red (69%)

Green (78%)

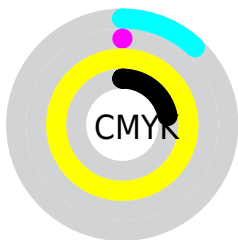
Blue (0%)



Red (0%)

Yellow (78%)

Blue (9%)

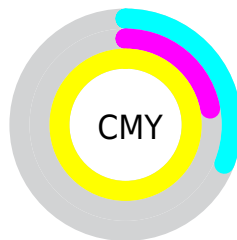


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (31%)


Magenta (22%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 81.230, 110.218 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, 81.230, 110.218 by changing the saturation by 10% instead.


 76, 81.230,
110.218


 76, 81.230,
110.218


 100, 81.230,
110.218


 66, 81.230,
110.218


 96, 81.230,
110.218

 56, 81.230,
110.218

 46, 81.230,
110.218

 36, 81.230,
110.218

 26, 81.230,
110.218

 16, 81.230,
110.218

 6, 81.230, 110.218

■ 0, 81.230, 110.218

■ 76, 81.230,
110.218

■ 76, 81.230,
110.218

■ 76, 81.195,
110.226

■ 76, 78.833,
109.873

■ 76, 74.549,
109.804

■ 77, 68.233,
110.032

■ 77, 60.343,
110.487

■ 77, 51.359,
111.097

■ 78, 41.666,
111.806

■ 78, 31.532,
112.568

■ 79, 21.137,
113.354

■ 80, 10.597,
114.142

Harmonies

Complementary

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



76, 81.230, 110.218



25, 110.247, 306.695

Rectangle

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



76, 81.230, 110.218



76, 81.230, 160.218



76, 81.230, 290.218



76, 81.230, 340.218

Sweetspot

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



76, 81.195, 110.226



98, 38.570, 112.534



42, 84.844, 41.386



52, 26.224, 112.204



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, 81.195, 110.226



95, 97.935, 110.331



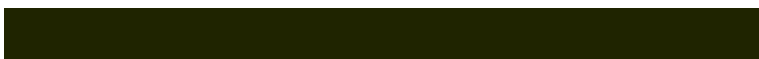
71, 93.789, 131.456



42, 6.010, 114.190



63, 70.094, 110.124



13, 20.478, 113.120

Inverse Universe

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



25, 110.247, 306.695



33, 133.071, 306.632



35, 100.987, 314.818



38, 6.140, 295.691



19, 95.100, 306.762



1, 21.582, 294.928

Previews

White Background



This preview shows how the CIELCh color 76, 81.230, 110.218 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 76, 81.230, 110.218 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, 81.230, 110.218

Background



This preview shows how black text looks on a background with the CIELCh color 76, 81.230, 110.218.



This preview shows how white text looks on a background with the CIELCh color 76, 81.230, 110.218.

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, 81.230, 110.218

Protanopia

76, 77.800, 95.240

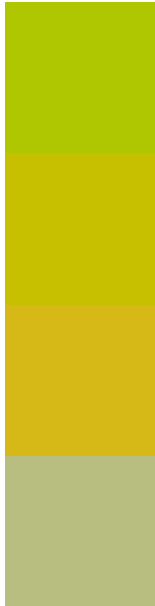
Deuteranopia

76, 73.704, 82.197



Tritanopia
76, 7.790, 304.294

Trichromacy



Original Color
76, 81.230, 110.218

Protanomaly
76, 78.322, 100.902

Deuteranomaly
75, 74.620, 93.057

Tritanomaly
75, 33.442, 111.217

Monochromacy



Original Color
76, 81.230, 110.218

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 38.443, 112.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 81.230, 110.218 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(175, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 199, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 81.230, 110.218 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(175, 199, 0) }
```

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

```
.border{ border-color:rgb(175, 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(175, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 199,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 81.230, 110.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 199, 0) }
```

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

```
.background{ background-color: rgb(175,  
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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