

Converting Colors

CIELCh(76, 81.759, 111.887)

Have a look what the booklet for
CIELCh(76, 81.759, 111.887)
contains.

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Color

CIELCh(76, 81.760, 111.977)

Conversions

Conversions Part 1

Format	Color
Hex	AAC802
RGB	170, 200, 2
RGB Percent	67%, 78%, 1%
CMY	0.3331, 0.2155, 0.9915
CMYK	0.15, 0.00, 0.99, 0.22
HSL	69°, 98%, 40%
HSV	69°, 99%, 78%
XYZ	37.2657, 49.8872, 7.7266
YIQ	168.4580, 45.6780, -67.9380

Conversions

Conversions Part 2

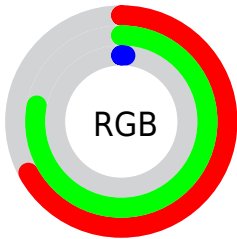
Format	Color
R_{YB}	2, 200, 32
Decimal	11192322
CIE Lab	76.00, -30.60, 75.82
CIE LCh	76, 81.760, 111.977
Yxy	49.8872, 0.3928, 0.5258
Android (android.graphics.Color)	4289382402 (0xFFAAC802)
YUV	168.4580, -82.0638, 1.3523
Hunter-Lab	70.6309, -29.4254, 42.9556

Details

The CIELCh color **76, 81.760, 111.977** 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, 109.872, 306.818**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 81.183, 111.572**, and **56, 65.989, 115.891** is the 20% darker color. If you saturate the color by 10%, you get **76, 81.998, 112.033**, and if you desaturate by 10%, it is **76, 79.194, 111.521**.

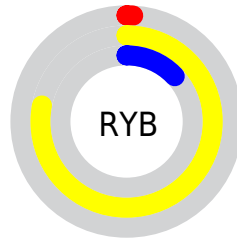
Distribution



Red (67%)

Green (78%)

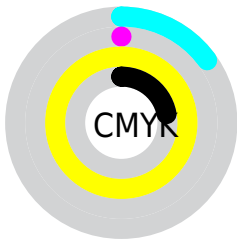
Blue (1%)



Red (1%)

Yellow (78%)

Blue (13%)

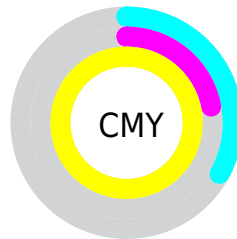


Cyan (15%)

Magenta (0%)

Yellow (99%)

Black (22%)



Cyan (33%)


Magenta (22%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 81.760, 111.977 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, 81.760, 111.977 by changing the saturation by 10% instead.


 76, 81.760,
111.977


 76, 81.760,
111.977


 100, 81.760,
111.977


 66, 81.760,
111.977


 96, 81.760,
111.977

 56, 81.760,
111.977

 46, 81.760,
111.977

 36, 81.760,
111.977

 26, 81.760,
111.977

 16, 81.760,
111.977

 6, 81.760, 111.977

■ 0, 81.760, 111.977

■ 76, 81.760,
111.977

■ 76, 81.760,
111.977

■ 76, 81.998,
112.033

■ 76, 79.194,
111.521

■ 77, 74.593,
111.392

■ 77, 68.000,
111.578

■ 77, 59.886,
111.997

■ 78, 50.728,
112.574

■ 78, 40.894,
113.248

■ 79, 30.644,
113.974

■ 79, 20.148,
114.721

■ 80, 9.519, 115.467

Harmonies

Complementary

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



76, 81.760, 111.977



25, 109.872, 306.818

Rectangle

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



76, 81.760, 111.977



76, 81.760, 161.977



76, 81.760, 291.977



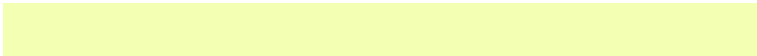
76, 81.760, 341.977

Sweetspot

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



76, 81.760, 111.979



98, 38.673, 113.862



43, 83.647, 41.894



52, 26.296, 113.550



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, 81.760, 111.979



94, 98.484, 112.159



71, 94.674, 132.147



42, 6.025, 115.433



63, 70.466, 111.906



13, 20.582, 114.883

Inverse Universe

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



25, 109.872, 306.818



33, 132.730, 306.795



36, 100.371, 315.843



38, 6.153, 296.850



19, 94.824, 306.950



1, 21.611, 295.738

Previews

White Background



This preview shows how the CIELCh color 76, 81.760, 111.977 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, 81.760, 111.977 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, 81.760, 111.977

Background



This preview shows how black text looks on a background with the CIELCh color 76, 81.760, 111.977.



This preview shows how white text looks on a background with the CIELCh color 76, 81.760, 111.977.

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

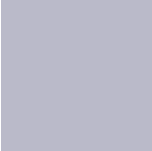
76, 81.760, 111.977

Protanopia

76, 77.568, 94.873

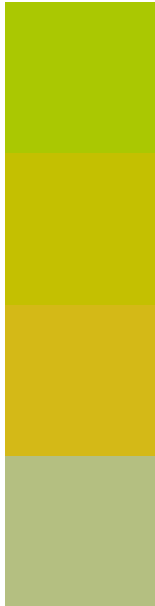
Deuteranopia

76, 73.456, 82.152



Tritanopia
76, 8.086, 290.938

Trichromacy



Original Color
76, 81.760, 111.977

Protanomaly
76, 78.193, 101.560

Deuteranomaly
75, 74.267, 93.732

Tritanomaly
75, 33.135, 114.827

Monochromacy



Original Color
76, 81.760, 111.977

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 38.542, 113.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 81.760, 111.977 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(170, 200, 2)` looks like.

```
.text, #text, p{  
    color:rgb(170, 200, 2)  
}
```

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(170, 200, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 200, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 81.760, 111.977 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(170, 200, 2) }
```

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

```
.border{ border-color:rgb(170, 200, 2) }
```

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

Here you see how a box with a 4 pixel rgb(170, 200, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 200, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 200, 2);  
box-shadow:4px 4px 4px 4px rgb(170, 200,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 81.760, 111.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 200, 2) }
```

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

```
.background{ background-color: rgb(170,  
200, 2) }
```

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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