

Converting Colors

CIELCh(76, 93.720, 105.014)

Have a look what the booklet for
CIELCh(76, 93.720, 105.014)
contains.

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Color

CIELCh(76, 80.027, 106.620)

Conversions

Conversions Part 1

Format	Color
Hex	B8C400
RGB	184, 196, 0
RGB Percent	72%, 77%, 0%
CMY	0.2771, 0.2298, 1.0000
CMYK	0.06, 0.00, 1.00, 0.23
HSL	64°, 100%, 39%
HSV	64°, 100%, 77%
XYZ	39.6703, 49.8872, 7.4870
YIQ	170.0680, 55.7640, -63.5000

Conversions

Conversions Part 2

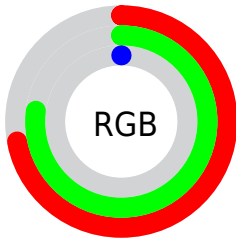
Format	Color
RYB	0, 196, 12
Decimal	12108800
CIELab	76.00, -22.89, 76.68
CIELCh	76, 80.027, 106.620
Yxy	49.8872, 0.4088, 0.5141
Android (android.graphics.Color)	4290298880 (0xFFB8C400)
YUV	170.0680, -83.8435, 12.2184
Hunter-Lab	70.6309, -23.3483, 43.1568

Details

The CIELCh color **76, 80.027, 106.620** 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 **24, 109.634, 306.456**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 79.387, 106.464**, and **56, 63.596, 109.939** is the 20% darker color. If you saturate the color by 10%, you get **76, 79.847, 106.645**, and if you desaturate by 10%, it is **76, 77.591, 106.552**.

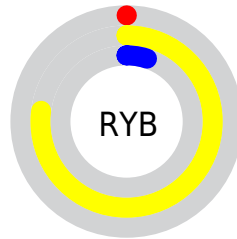
Distribution



Red (72%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (5%)

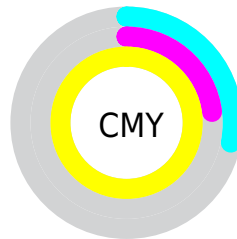


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (28%)


Magenta (23%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 80.027, 106.620 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, 80.027, 106.620 by changing the saturation by 10% instead.


 76, 80.027,
106.620


 76, 80.027,
106.620


 100, 80.027,
106.620


 66, 80.027,
106.620


 96, 80.027,
106.620

 56, 80.027,
106.620

 46, 80.027,
106.620

 36, 80.027,
106.620

 26, 80.027,
106.620

 16, 80.027,
106.620

 6, 80.027, 106.620

■ 0, 80.027, 106.620

■ 76, 80.027,
106.620

■ 76, 80.027,
106.620

■ 76, 79.847,
106.645

■ 76, 77.591,
106.552

■ 76, 73.429,
106.688

■ 76, 67.245,
107.068

■ 77, 59.490,
107.640

■ 77, 50.646,
108.348

■ 77, 41.094,
109.143

■ 78, 31.103,
109.989

■ 78, 20.851,
110.858

■ 79, 10.455,
111.728

Harmonies

Complementary

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



76, 80.027, 106.620



24, 109.634, 306.456

Rectangle

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



76, 80.027, 106.620



76, 80.027, 156.620



76, 80.027, 286.620



76, 80.027, 336.620

Sweetspot

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



76, 79.847, 106.645



98, 38.434, 109.949



41, 85.239, 40.487



52, 26.130, 109.583



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, 79.847, 106.645



96, 97.197, 106.704



71, 91.112, 129.668



42, 5.991, 111.781



64, 69.594, 106.595



13, 20.340, 109.646

Inverse Universe

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



24, 109.634, 306.456



33, 133.535, 306.415



32, 101.462, 313.047



38, 6.123, 293.456



19, 95.500, 306.497



1, 21.538, 293.366

Previews

White Background



This preview shows how the CIELCh color 76, 80.027, 106.620 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, 80.027, 106.620 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, 80.027, 106.620

Background



This preview shows how black text looks on a background with the CIELCh color 76, 80.027, 106.620.



This preview shows how white text looks on a background with the CIELCh color 76, 80.027, 106.620.

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, 79.725, 106.638

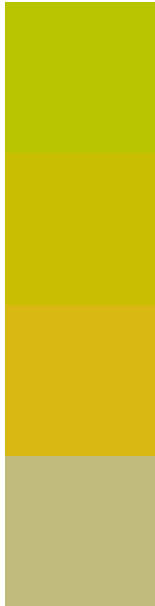
Protanopia
76, 77.800, 95.240

Deuteranopia
76, 74.184, 82.283



Tritanopia
76, 9.379, 326.682

Trichromacy



Original Color
76, 79.725, 106.638

Protanomaly
76, 78.102, 99.584

Deuteranomaly
76, 75.026, 91.667

Tritanomaly
75, 33.461, 103.422

Monochromacy



Original Color
76, 79.725, 106.638

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 38.303, 109.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 80.027, 106.620 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(184, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 196, 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(184, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 196, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 80.027, 106.620 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(184, 196, 0) }
```

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

```
.border{ border-color:rgb(184, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 196,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 80.027, 106.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 196, 0) }
```

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

```
.background{ background-color: rgb(184,  
196, 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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