

Converting Colors

CIELCh(76, 78.409, 103.867)

Have a look what the booklet for
CIELCh(76, 78.409, 103.867)
contains.

CIELCh(76, 78.297, 103.874)	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, 78.297, 103.874)

Conversions

Conversions Part 1

Format	Color
Hex	BFC207
RGB	191, 194, 7
RGB Percent	75%, 76%, 3%
CMY	0.2495, 0.2378, 0.9721
CMYK	0.02, 0.00, 0.96, 0.24
HSL	61°, 93%, 40%
HSV	61°, 96%, 76%
XYZ	40.9954, 49.8872, 7.6725
YIQ	171.7850, 58.2390, -58.7930

Conversions

Conversions Part 2

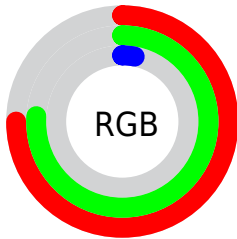
Format	Color
RYB	7, 194, 10
Decimal	12567047
CIELab	76.00, -18.77, 76.01
CIELCh	76, 78.297, 103.874
Yxy	49.8872, 0.4160, 0.5062
Android (android.graphics.Color)	4290757127 (0xFFBFC207)
YUV	171.7850, -81.2390, 16.8516
Hunter-Lab	70.6309, -19.9996, 43.0011

Details

The CIELCh color **76, 78.297, 103.874** 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, 107.217, 306.023**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 78.224, 103.817**, and **56, 62.501, 106.275** is the 20% darker color. If you saturate the color by 10%, you get **76, 79.023, 103.841**, and if you desaturate by 10%, it is **76, 75.557, 104.045**.

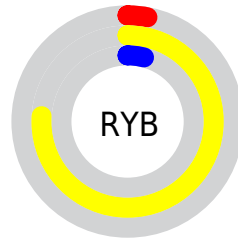
Distribution



Red (75%)

Green (76%)

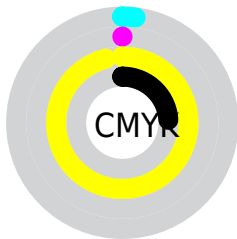
Blue (3%)



Red (3%)

Yellow (76%)

Blue (4%)

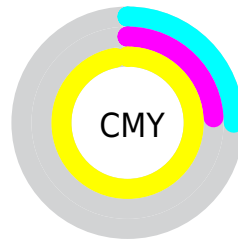


Cyan (2%)

Magenta (0%)

Yellow (96%)

Black (24%)



Cyan (25%)


Magenta (24%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 78.297, 103.874 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, 78.297, 103.874 by changing the saturation by 10% instead.


 76, 78.297,
103.874


 76, 78.297,
103.874


 100, 78.297,
103.874


 66, 78.297,
103.874


 96, 78.297,
103.874

 56, 78.297,
103.874

 46, 78.297,
103.874

 36, 78.297,
103.874

 26, 78.297,
103.874

 16, 78.297,
103.874

 6, 78.297, 103.874

■ 0, 78.297, 103.874

■ 76, 78.297,
103.874

■ 76, 78.297,
103.874

■ 76, 79.023,
103.841

■ 76, 75.557,
104.045

■ 76, 70.677,
104.424

■ 76, 63.935,
104.993

■ 76, 55.813,
105.708

■ 77, 46.758,
106.528

■ 77, 37.112,
107.415

■ 77, 27.104,
108.339

■ 78, 16.888,
109.277

■ 78, 6.560, 110.209

Harmonies

Complementary

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



76, 78.297, 103.874



24, 107.217, 306.023

Rectangle

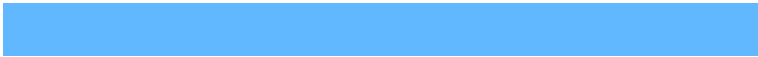
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 78.297, 103.874



76, 78.297, 153.874



76, 78.297, 283.874



76, 78.297, 333.874

Sweetspot

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



76, 78.296, 103.876



98, 36.833, 108.048



41, 83.184, 38.998



52, 25.395, 107.646



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, 78.296, 103.876



96, 96.201, 103.857



71, 87.761, 127.730



41, 5.856, 109.929



64, 68.617, 103.827



12, 18.624, 107.693

Inverse Universe

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



24, 107.217, 306.023



32, 132.731, 306.319



31, 100.184, 312.049



37, 5.985, 291.741



18, 94.637, 306.343



1, 19.483, 291.565

Previews

White Background



This preview shows how the CIELCh color 76, 78.297, 103.874 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, 78.297, 103.874 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, 78.297, 103.874

Background



This preview shows how black text looks on a background with the CIELCh color 76, 78.297, 103.874.



This preview shows how white text looks on a background with the CIELCh color 76, 78.297, 103.874.

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, 78.196, 103.884

Protanopia

76, 77.800, 95.240

Deuteranopia

76, 74.765, 82.783



Tritanopia
76, 11.399, 339.044

Trichromacy



Original Color
76, 78.196, 103.884

Protanomaly
76, 77.616, 98.264

Deuteranomaly
76, 75.006, 90.642

Tritanomaly
75, 31.867, 97.385

Monochromacy



Original Color
76, 78.196, 103.884

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 36.203, 107.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 78.297, 103.874 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(191, 194, 7)` looks like.

```
.text, #text, p{  
    color:rgb(191, 194, 7)  
}
```

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(191, 194, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 194, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 78.297, 103.874 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(191, 194, 7) }
```

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

```
.border{ border-color:rgb(191, 194, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 194, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 194, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 194, 7);  
box-shadow:4px 4px 4px 4px rgb(191, 194,  
7) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 78.297, 103.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 194, 7) }
```

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

```
.background{ background-color: rgb(191,  
194, 7) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor