

Converting Colors

CIELCh(76, 78.421, 100.708)

Have a look what the booklet for
CIELCh(76, 78.421, 100.708)
contains.

CIELCh(76, 78.338, 100.576)	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, 78.338, 100.576)

Conversions

Conversions Part 1

Format	Color
Hex	C7C000
RGB	199, 192, 0
RGB Percent	78%, 75%, 0%
CMY	0.2193, 0.2467, 0.9990
CMYK	0.00, 0.04, 1.00, 0.22
HSL	58°, 100%, 39%
HSV	58°, 100%, 78%
XYZ	42.4434, 49.8872, 7.3987
YIQ	172.2050, 65.8040, -58.2280

Conversions

Conversions Part 2

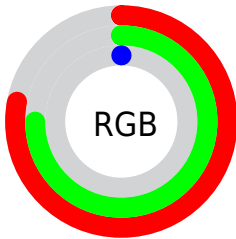
Format	Color
R_{YB}	7, 199, 0
Decimal	13090816
CIE Lab	76.00, -14.38, 77.01
CIE LCh	76, 78.338, 100.576
Yxy	49.8872, 0.4256, 0.5002
Android (android.graphics.Color)	4291280896 (0xFFC7C000)
YUV	172.2050, -84.8971, 23.4992
Hunter-Lab	70.6309, -16.3401, 43.2309

Details

The CIELCh color **76, 78.338, 100.576** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **25, 109.452, 305.892**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 78.270, 101.948**, and **56, 61.708, 102.415** is the 20% darker color. If you saturate the color by 10%, you get **76, 78.361, 100.574**, and if you desaturate by 10%, it is **76, 76.222, 100.959**.

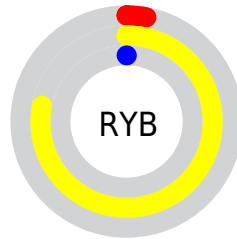
Distribution



Red (78%)

Green (75%)

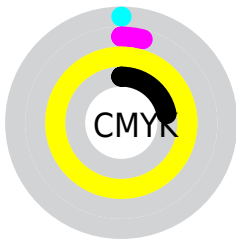
Blue (0%)



Red (3%)

Yellow (78%)

Blue (0%)

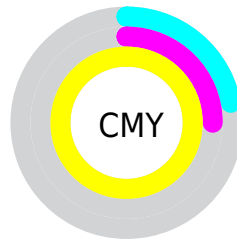


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (25%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 78.338, 100.576 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, 78.338, 100.576 by changing the saturation by 10% instead.

 76, 78.338,
100.576

 76, 78.338,
100.576


 100, 78.338,
100.576


 66, 78.338,
100.576


 96, 78.338,
100.576

 56, 78.338,
100.576

 46, 78.338,
100.576

 36, 78.338,
100.576

 26, 78.338,
100.576

 16, 78.338,
100.576

 6, 78.338, 100.576

■ 0, 78.338, 100.576

■ 76, 78.338,
100.576

■ 76, 78.338,
100.576

■ 76, 78.361,
100.574

■ 76, 76.222,
100.959

■ 76, 72.116,
101.477

■ 77, 65.962,
102.148

■ 77, 58.256,
102.945

■ 77, 49.498,
103.834

■ 78, 40.078,
104.785

■ 78, 30.262,
105.770

■ 79, 20.221,
106.769

■ 80, 10.065,
107.762

Harmonies

Complementary

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



76, 78.338, 100.576



25, 109.452, 305.892

Rectangle

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



76, 78.338, 100.576



76, 78.338, 150.576



76, 78.338, 280.576



76, 78.338, 330.576

Sweetspot

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



76, 78.337, 100.578



98, 37.138, 105.714



42, 84.653, 38.164



52, 25.263, 105.290



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, 78.337, 100.578



95, 94.382, 100.539



72, 89.095, 126.364



42, 5.775, 107.811



63, 67.639, 100.607



13, 19.483, 104.093

Inverse Universe

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



25, 109.452, 305.892



33, 132.443, 306.004



30, 104.680, 310.769



38, 5.895, 289.732



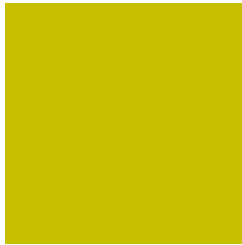
19, 94.129, 305.795



1, 20.973, 290.852

Previews

White Background



This preview shows how the CIELCh color 76, 78.338, 100.576 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, 78.338, 100.576 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, 78.338, 100.576

Background



This preview shows how black text looks on a background with the CIELCh color 76, 78.338, 100.576.



This preview shows how white text looks on a background with the CIELCh color 76, 78.338, 100.576.

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, 78.338, 100.576

Protanopia

76, 77.800, 95.240

Deuteranopia

76, 75.379, 82.542



Tritanopia
76, 13.863, 350.417

Trichromacy



Original Color
76, 78.338, 100.576

Protanomaly
76, 77.808, 96.914

Deuteranomaly
76, 75.816, 89.299

Tritanomaly
75, 34.481, 90.664

Monochromacy



Original Color
76, 78.338, 100.576

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 36.766, 104.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 78.338, 100.576 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(199, 192, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 192, 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(199, 192, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 192, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 78.338, 100.576 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(199, 192, 0) }
```

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

```
.border{ border-color:rgb(199, 192, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 192, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 192, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 192, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 192,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 78.338, 100.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 192, 0) }
```

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

```
.background{ background-color: rgb(199,  
192, 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](#).

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