

Converting Colors

CIELCh(76, 42.771, 103.237)

Have a look what the booklet for
CIELCh(76, 42.771, 103.237)
contains.

CIELCh(76, 42.974, 103.281)	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, 42.974, 103.281)

Conversions

Conversions Part 1

Format	Color
Hex	C4BF6D
RGB	196, 191, 109
RGB Percent	77%, 75%, 43%
CMY	0.2328, 0.2524, 0.5739
CMYK	0.00, 0.03, 0.44, 0.23
HSL	57°, 42%, 60%
HSV	57°, 44%, 77%
XYZ	43.9624, 49.8872, 21.6847
YIQ	183.1470, 29.3020, -24.4420

Conversions

Conversions Part 2

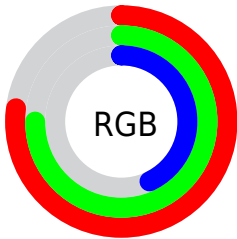
Format	Color
RYB	114, 196, 109
Decimal	12894061
CIELab	76.00, -9.87, 41.82
CIELCh	76, 42.974, 103.281
Yxy	49.8872, 0.3805, 0.4318
Android (android.graphics.Color)	4291084141 (0xFFC4BF6D)
YUV	183.1470, -36.5545, 11.2721
Hunter-Lab	70.6309, -12.5013, 31.2387

Details

The CIELCh color $76, 42.974, 103.281$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $51, 47.725, 294.170$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 42.846, 103.130$, and $56, 42.977, 103.158$ is the 20% darker color. If you saturate the color by 10%, you get $75, 51.882, 102.317$, and if you desaturate by 10%, it is $77, 33.604, 104.288$.

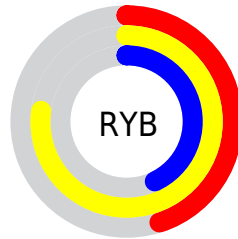
Distribution



Red (77%)

Green (75%)

Blue (43%)



Red (45%)

Yellow (77%)

Blue (43%)

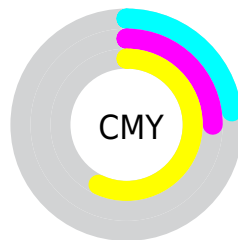


Cyan (0%)

Magenta (3%)

Yellow (44%)

Black (23%)



Cyan (23%)


Magenta (25%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.974, 103.281 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, 42.974, 103.281 by changing the saturation by 10% instead.


 76, 42.974,
103.281


 76, 42.974,
103.281


 100, 42.974,
103.281


 66, 42.974,
103.281


 96, 42.974,
103.281

 56, 42.974,
103.281

 46, 42.974,
103.281

 36, 42.974,
103.281

 26, 42.974,
103.281

 16, 42.974,
103.281

 6, 42.974, 103.281

■ 0, 42.974, 103.281

■ 76, 42.974,
103.281

■ 76, 42.974,
103.281

■ 75, 51.882,
102.317

■ 77, 33.604,
104.288

■ 75, 60.017,
101.414

■ 77, 23.970,
105.309

■ 75, 66.940,
100.601

■ 78, 14.200,
106.328

■ 74, 72.124, 99.907

■ 79, 4.372, 107.323

■ 74, 75.132, 99.343

■ 79, 5.464, 288.343

■ 74, 76.135, 99.067

■ 80, 15.277,
289.287

■ 81, 25.046,

290.201

■ 82, 29.400,
290.207

■ 82, 28.791,
289.375

Harmonies

Complementary

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



76, 42.974, 103.281



51, 47.725, 294.170

Rectangle

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



76, 42.974, 103.281



76, 42.974, 153.281



76, 42.974, 283.281



76, 42.974, 333.281

Sweetspot

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



76, 42.975, 103.284



99, 15.840, 106.454



56, 37.066, 19.106



53, 11.081, 106.227



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, 42.975, 103.284



96, 62.690, 102.375



75, 47.962, 124.555



41, 5.528, 106.840



61, 65.830, 99.125



11, 17.360, 103.546

Inverse Universe

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



51, 47.725, 294.170



59, 71.916, 296.139



53, 51.714, 309.206



38, 5.637, 288.789



19, 91.975, 305.474



1, 18.682, 289.586

Previews

White Background



This preview shows how the CIELCh color 76, 42.974, 103.281 looks on a white background.

Color Contrast Check

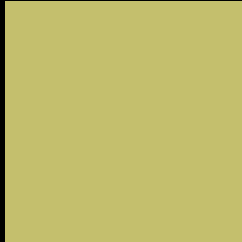
Large Text (above 18pt) WCAG AA × Fail

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, 42.974, 103.281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

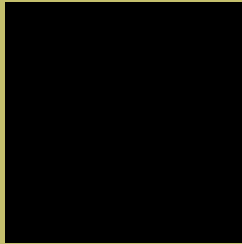
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 42.974, 103.281

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.974, 103.281.



This preview shows how white text looks on a background with the CIELCh color 76, 42.974, 103.281.

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, 42.974, 103.281

Protanopia

76, 42.820, 95.783

Deuteranopia

76, 42.185, 77.248



Tritanopia
76, 11.680, 340.293

Trichromacy



Original Color
76, 42.974, 103.281

Protanomaly
76, 42.483, 98.079

Deuteranomaly
76, 41.402, 86.413

Tritanomaly
76, 13.106, 78.484

Monochromacy



Original Color
76, 42.974, 103.281

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 16.101, 105.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.974, 103.281 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(196, 191, 109)` looks like.

```
.text, #text, p{  
    color:rgb(196, 191, 109)  
}
```

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(196, 191, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 191, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.974, 103.281 is called "border". The border property can be set on classes, ids or directly on the HTML element.

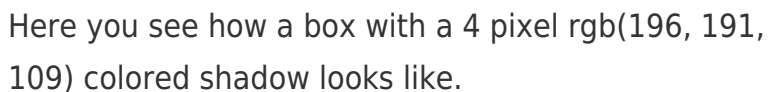
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 191, 109) }
```

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

```
.border{ border-color:rgb(196, 191, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 191, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 191, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 191, 109); box-shadow:4px 4px 4px 4px rgb(196, 191, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.974, 103.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 191, 109) }
```

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

```
.background{ background-color: rgb(196,  
191, 109) }
```

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