

Converting Colors

CIELCh(76, 46.770, 105.244)

Have a look what the booklet for
CIELCh(76, 46.770, 105.244)
contains.

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Color

CIELCh(76, 46.800, 105.224)

Conversions

Conversions Part 1

Format	Color
Hex	C1C066
RGB	193, 192, 102
RGB Percent	76%, 75%, 40%
CMY	0.2439, 0.2478, 0.6007
CMYK	0.00, 0.01, 0.47, 0.24
HSL	59°, 42%, 58%
HSV	59°, 47%, 76%
XYZ	43.1432, 49.8872, 19.8808
YIQ	182.0390, 29.4860, -27.7780

Conversions

Conversions Part 2

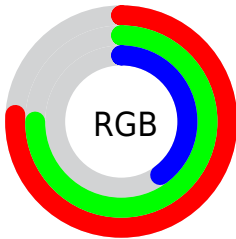
Format	Color
RYB	103, 193, 102
Decimal	12697702
CIELab	76.00, -12.29, 45.16
CIELCh	76, 46.800, 105.224
Yxy	49.8872, 0.3821, 0.4418
Android (android.graphics.Color)	4290887782 (0xFFC1C066)
YUV	182.0390, -39.4592, 9.6128
Hunter-Lab	70.6309, -14.5717, 32.7530

Details

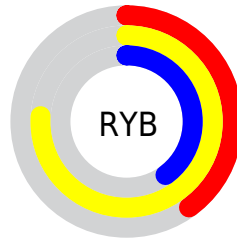
The CIELCh color **76, 46.800, 105.224** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **47, 53.034, 296.469**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 46.615, 105.075**, and **56, 47.081, 105.089** is the 20% darker color. If you saturate the color by 10%, you get **76, 55.676, 104.367**, and if you desaturate by 10%, it is **76, 37.330, 106.150**.

Distribution



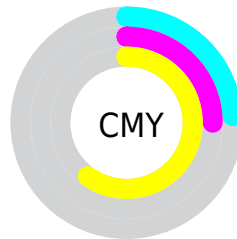
- Red (76%)
- Green (75%)
- Blue (40%)



- Red (40%)
- Yellow (76%)
- Blue (40%)



- Cyan (0%)
- Magenta (1%)
- Yellow (47%)
- Black (24%)





- Cyan (24%)
- Magenta (25%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 46.800, 105.224 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, 46.800, 105.224 by changing the saturation by 10% instead.

 76, 46.800,
105.224

 76, 46.800,
105.224

 100, 46.800,
105.224

 66, 46.800,
105.224


 96, 46.800,
105.224

 56, 46.800,
105.224

 46, 46.800,
105.224

 36, 46.800,
105.224

 26, 46.800,
105.224

 16, 46.800,
105.224

 6, 46.800, 105.224

■ 0, 46.800, 105.224

■ 76, 46.800,
105.224

■ 76, 46.800,
105.224

■ 76, 55.676,
104.367

■ 76, 37.330,
106.150

■ 76, 63.608,
103.603

■ 77, 27.498,
107.108

■ 75, 70.142,
102.974

■ 77, 17.460,
108.080

■ 75, 74.796,
102.514

■ 78, 7.313, 109.047

■ 75, 77.344,
102.232

■ 78, 2.879, 290.036

■ 75, 77.894,
102.168

■ 79, 13.074,
290.949

■ 79, 23.245,

291.846

■ 80, 32.802,
292.653

■ 80, 32.684,
292.523

Harmonies

Complementary

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



76, 46.800, 105.224



47, 53.034, 296.469

Rectangle

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



76, 46.800, 105.224



76, 46.800, 155.224



76, 46.800, 285.224



76, 46.800, 335.224

Sweetspot

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



76, 46.801, 105.227



97, 17.571, 108.369



54, 39.624, 23.315



52, 12.121, 108.157



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76, 46.801, 105.227



95, 68.391, 104.309



73, 50.808, 126.288



41, 5.792, 108.838



64, 68.052, 102.177



12, 18.375, 106.152

Inverse Universe

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



47, 53.034, 296.469



53, 80.759, 298.711



51, 54.595, 310.926



37, 5.918, 290.716



18, 94.188, 306.132



1, 19.327, 290.850

Previews

White Background



This preview shows how the CIELCh color 76, 46.800, 105.224 looks on a white background.

Color Contrast Check

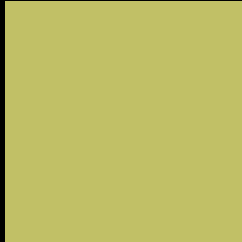
Large Text (above 18pt) WCAG AA × Fail

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, 46.800, 105.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

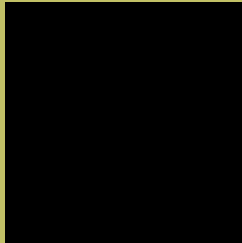
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 46.800, 105.224

Background



This preview shows how black text looks on a background with the CIELCh color 76, 46.800, 105.224.

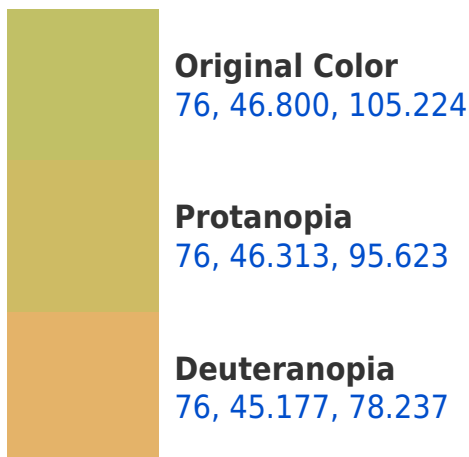


This preview shows how white text looks on a background with the CIELCh color 76, 46.800, 105.224.

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





Tritanopia
76, 11.124, 337.736

Trichromacy



Original Color
76, 46.800, 105.224

Protanomaly
76, 46.244, 99.403

Deuteranomaly
76, 44.430, 88.566

Tritanomaly
76, 14.012, 85.770

Monochromacy



Original Color
76, 46.800, 105.224

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 17.687, 108.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 46.800, 105.224 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(193, 192, 102)` looks like.

```
.text, #text, p{  
    color:rgb(193, 192, 102)  
}
```

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(193, 192, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 192, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 46.800, 105.224 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(193, 192, 102) }
```

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

```
.border{ border-color:rgb(193, 192, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 192, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 192, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 192, 102);  
box-shadow:4px 4px 4px 4px rgb(193, 192,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 46.800, 105.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 192, 102) }
```

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

```
.background{ background-color: rgb(193,  
192, 102) }
```

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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