

Converting Colors

CIELCh(76, 48.242, 105.102)

Have a look what the booklet for
CIELCh(76, 48.242, 105.102)
contains.

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Color

CIELCh(76, 48.242, 105.102)

Conversions

Conversions Part 1

Format	Color
Hex	C1C063
RGB	193, 192, 99
RGB Percent	76%, 75%, 39%
CMY	0.2435, 0.2474, 0.6121
CMYK	0.00, 0.01, 0.49, 0.24
HSL	59°, 43%, 57%
HSV	59°, 49%, 76%
XYZ	43.0491, 49.8872, 19.1446
YIQ	181.6970, 30.4490, -28.7110

Conversions

Conversions Part 2

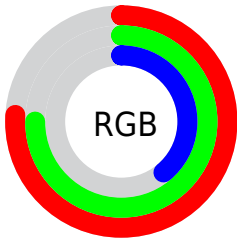
Format	Color
RYB	100, 193, 99
Decimal	12697699
CIELab	76.00, -12.57, 46.58
CIElCh	76, 48.242, 105.102
Yxy	49.8872, 0.3841, 0.4451
Android (android.graphics.Color)	4290887779 (0xFFC1C063)
YUV	181.6970, -40.7696, 9.9127
Hunter-Lab	70.6309, -14.8095, 33.3710

Details

The CIELCh color $76, 48.242, 105.102$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $46, 54.976, 296.787$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 48.056, 105.001$, and $56, 48.397, 105.466$ is the 20% darker color. If you saturate the color by 10%, you get $76, 57.004, 104.258$, and if you desaturate by 10%, it is $76, 38.840, 106.019$.

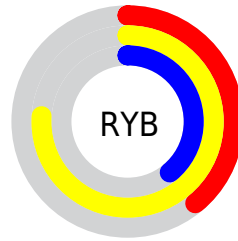
Distribution



Red (76%)

Green (75%)

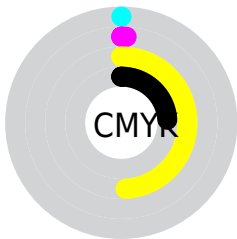
Blue (39%)



Red (39%)

Yellow (76%)

Blue (39%)

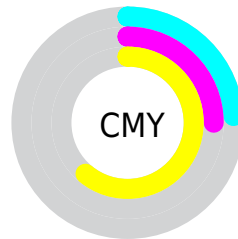


Cyan (0%)

Magenta (1%)

Yellow (49%)

Black (24%)



Cyan (24%)


Magenta (25%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 48.242, 105.102 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, 48.242, 105.102 by changing the saturation by 10% instead.


 76, 48.242,
105.102


 76, 48.242,
105.102

 100, 48.242,
105.102


 66, 48.242,
105.102


 96, 48.242,
105.102

 56, 48.242,
105.102

 46, 48.242,
105.102

 36, 48.242,
105.102

 26, 48.242,
105.102

 16, 48.242,
105.102

 6, 48.242, 105.102

■ 0, 48.242, 105.102

■ 76, 48.242,
105.102

■ 76, 48.242,
105.102

■ 76, 57.004,
104.258

■ 76, 38.840,
106.019

■ 76, 64.758,
103.513

■ 77, 29.045,
106.974

■ 75, 71.036,
102.909

■ 77, 19.024,
107.945

■ 75, 75.368,
102.478

■ 78, 8.881, 108.913

■ 75, 77.693,
102.218

■ 78, 1.314, 289.931

■ 75, 77.944,
102.188

■ 79, 11.519,
290.822

■ 79, 21.704,

291.724

■ 80, 31.847,
292.591

■ 80, 32.660,
292.553

Harmonies

Complementary

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



76, 48.242, 105.102



46, 54.976, 296.787

Rectangle

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



76, 48.242, 105.102



76, 48.242, 155.102



76, 48.242, 285.102



76, 48.242, 335.102

Sweetspot

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



76, 48.243, 105.105



97, 18.827, 108.284



53, 41.104, 23.620



52, 12.835, 108.077



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, 48.243, 105.105



95, 69.441, 104.243



73, 52.384, 126.225



41, 5.794, 108.851



64, 68.068, 102.197



12, 18.383, 106.170

Inverse Universe

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



46, 54.976, 296.787



52, 82.352, 298.946



50, 56.439, 311.010



37, 5.920, 290.729



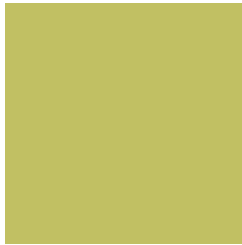
18, 94.204, 306.137



1, 19.332, 290.859

Previews

White Background



This preview shows how the CIELCh color 76, 48.242, 105.102 looks on a white background.

Color Contrast Check

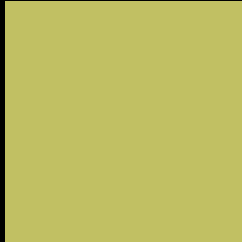
Large Text (above 18pt) WCAG AA × Fail

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, 48.242, 105.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

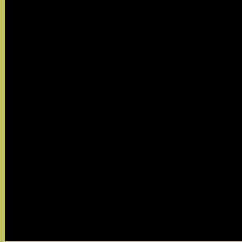
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 48.242, 105.102

Background



This preview shows how black text looks on a background with the CIELCh color 76, 48.242, 105.102.



This preview shows how white text looks on a background with the CIELCh color 76, 48.242, 105.102.

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, 48.242, 105.102

Protanopia
76, 47.837, 95.252

Deuteranopia
76, 46.777, 78.433



Tritanopia
76, 11.124, 337.736

Trichromacy



Original Color
76, 48.242, 105.102

Protanomaly
76, 47.744, 98.926

Deuteranomaly
76, 46.009, 88.419

Tritanomaly
76, 14.511, 86.516

Monochromacy



Original Color
76, 48.242, 105.102

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 18.219, 108.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 48.242, 105.102 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(193, 192, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 192, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 48.242, 105.102 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, 99) }
```

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

```
.border{ border-color:rgb(193, 192, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 192, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 192, 99);  
box-shadow:4px 4px 4px 4px rgb(193, 192,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 48.242, 105.102 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, 99) }
```

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

```
.background{ background-color: rgb(193,  
192, 99) }
```

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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