

Converting Colors

CIELCh(74, 49.378, 103.891)

Have a look what the booklet for
CIELCh(74, 49.378, 103.891)
contains.

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Color

CIELCh(74, 49.378, 103.891)

Conversions

Conversions Part 1

Format	Color
Hex	BDBA5B
RGB	189, 186, 91
RGB Percent	74%, 73%, 36%
CMY	0.2587, 0.2705, 0.6431
CMYK	0.00, 0.02, 0.52, 0.26
HSL	58°, 43%, 55%
HSV	58°, 52%, 74%
XYZ	40.4443, 46.7039, 16.7850
YIQ	176.0670, 32.2830, -28.9090

Conversions

Conversions Part 2

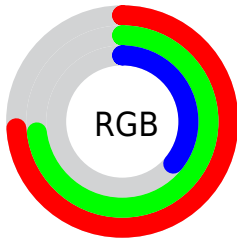
Format	Color
R_{YB}	94, 189, 91
Decimal	12434011
CIE _{Lab}	74.00, -11.85, 47.93
CIE _{LCh}	74, 49.378, 103.891
Yxy	46.7039, 0.3891, 0.4494
Android (android.graphics.Color)	4290624091 (0xFFBDBA5B)
YUV	176.0670, -41.9380, 11.3422
Hunter-Lab	68.3403, -13.9579, 33.2760

Details

The CIELCh color $74, 49.378, 103.891$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $44, 56.625, 296.690$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 49.217, 103.923$, and $54, 49.196, 104.094$ is the 20% darker color. If you saturate the color by 10%, you get $74, 57.647, 103.032$, and if you desaturate by 10%, it is $74, 40.413, 104.824$.

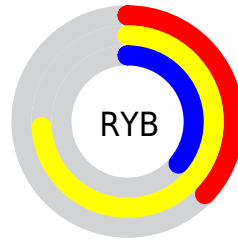
Distribution



Red (74%)

Green (73%)

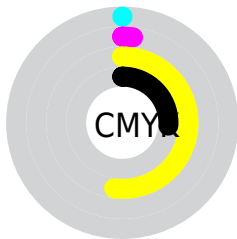
Blue (36%)



Red (37%)

Yellow (74%)

Blue (36%)

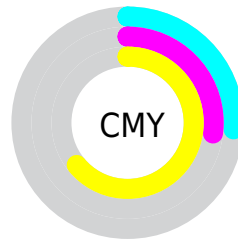


Cyan (0%)

Magenta (2%)

Yellow (52%)

Black (26%)



Cyan (26%)


Magenta (27%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 49.378, 103.891 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 74, 49.378, 103.891 by changing the saturation by 10% instead.


 74, 49.378,
103.891

 74, 49.378,
103.891


 100, 49.378,
103.891


 64, 49.378,
103.891


 94, 49.378,
103.891

 54, 49.378,
103.891

 44, 49.378,
103.891

 34, 49.378,
103.891

 24, 49.378,
103.891

 14, 49.378,
103.891

 4, 49.378, 103.891

0, 49.378, 103.891

74, 49.378,
103.891

74, 49.378,
103.891

74, 57.647,
103.032

74, 40.413,
104.824

73, 64.827,
102.270

75, 31.024,
105.795

73, 70.431,
101.643

75, 21.390,
106.783

73, 74.015,
101.175

76, 11.627,
107.772

73, 75.647,
100.890

77, 1.806, 108.717

77, 8.026, 289.723

78, 17.840,

290.643

■ 79, 27.614,
291.531

■ 79, 34.077,
291.995

Harmonies

Complementary

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



74, 49.378, 103.891



44, 56.625, 296.690

Rectangle

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



74, 49.378, 103.891



74, 49.378, 153.891



74, 49.378, 283.891



74, 49.378, 333.891

Sweetspot

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



74, 49.379, 103.894



95, 19.360, 107.337



51, 43.134, 23.062



51, 13.059, 107.134



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



74, 49.379, 103.894



93, 71.078, 102.939



72, 54.358, 125.499



40, 5.556, 108.016



62, 66.301, 100.917



11, 16.249, 106.015

Inverse Universe

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



44, 56.625, 296.690



49, 85.263, 299.162



48, 59.076, 310.668



37, 5.671, 289.917



18, 92.115, 305.843



1, 17.050, 289.786

Previews

White Background



This preview shows how the CIELCh color 74, 49.378, 103.891 looks on a white background.

Color Contrast Check

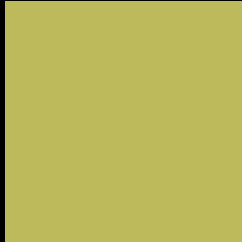
Large Text (above 18pt) WCAG AA × Fail

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 74, 49.378, 103.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

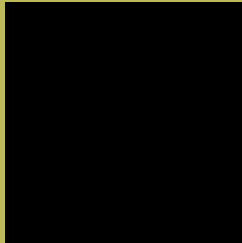
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 49.378, 103.891

Background



This preview shows how black text looks on a background with the CIELCh color 74, 49.378, 103.891.



This preview shows how white text looks on a background with the CIELCh color 74, 49.378, 103.891.

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

74, 49.378, 103.891

Protanopia

74, 48.853, 95.698

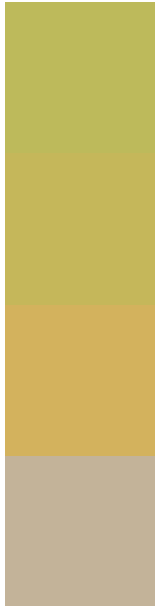
Deuteranopia

74, 47.969, 78.636



Tritanopia
74, 11.748, 340.321

Trichromacy



Original Color
74, 49.378, 103.891

Protanomaly
74, 48.931, 98.284

Deuteranomaly
74, 47.327, 87.948

Tritanomaly
74, 15.430, 84.356

Monochromacy



Original Color
74, 49.378, 103.891

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 18.863, 107.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 49.378, 103.891 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(189, 186, 91)` looks like.

```
.text, #text, p{  
    color:rgb(189, 186, 91)  
}
```

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(189, 186, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 186, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 49.378, 103.891 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(189, 186, 91) }
```

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

```
.border{ border-color:rgb(189, 186, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 186, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 186, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 186, 91);  
box-shadow:4px 4px 4px 4px rgb(189, 186,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 49.378, 103.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 186, 91) }
```

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

```
.background{ background-color: rgb(189,  
186, 91) }
```

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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