

# Converting Colors

CIELCh(77, 19.483, 122.510)

Have a look what the booklet for  
CIELCh(77, 19.483, 122.510)  
contains.

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# Color

**CIELCh(77, 19.741, 122.046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7C39F
RGB	183, 195, 159
RGB Percent	72%, 76%, 62%
CMY	0.2828, 0.2357, 0.3769
CMYK	0.06, 0.00, 0.18, 0.24
HSL	80°, 23%, 69%
HSV	80°, 18%, 76%
XYZ	45.2393, 51.5317, 40.3127
YIQ	187.3080, 4.4040, -13.7400

# Conversions

## Conversions Part 2

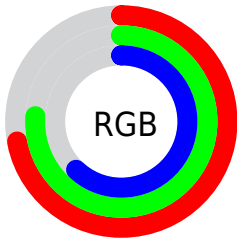
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 195, 171
Decimal	12043167
CIELab	77.00, -10.47, 16.73
CIELCh	77, 19.741, 122.046
Yxy	51.5317, 0.3300, 0.3759
Android (android.graphics.Color)	4290233247 (0xFFB7C39F)
YUV	187.3080, -13.9558, -3.7781
Hunter-Lab	71.7856, -13.1341, 16.9544

# Details

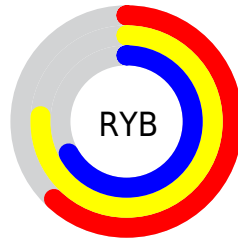
The CIELCh color **77, 19.741, 122.046** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 20.422, 304.141**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 19.897, 122.559**, and **57, 19.730, 121.379** is the 20% darker color. If you saturate the color by 10%, you get **76, 30.327, 121.489**, and if you desaturate by 10%, it is **78, 9.060, 122.605**.

# Distribution



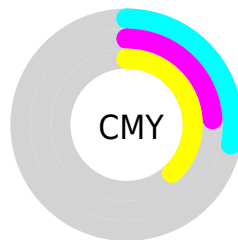
- Red (72%)
- Green (76%)
- Blue (62%)



- Red (62%)
- Yellow (76%)
- Blue (67%)



- Cyan (6%)
- Magenta (0%)
- Yellow (18%)
- Black (24%)




- Cyan (28%)
- Magenta (24%)
- Yellow (38%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 19.741, 122.046 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 77, 19.741, 122.046 by changing the saturation by 10% instead.





 77, 19.741,  
122.046

 77, 19.741,  
122.046


 100, 19.741,  
122.046


 67, 19.741,  
122.046


 97, 19.741,  
122.046

 57, 19.741,  
122.046

 47, 19.741,  
122.046

 37, 19.741,  
122.046

 27, 19.741,  
122.046

 17, 19.741,  
122.046

 7, 19.741, 122.046

0, 19.741, 122.046

77, 19.741,  
122.046

77, 19.741,  
122.046

76, 30.327,  
121.489

78, 9.060, 122.605

75, 40.703,  
120.946

79, 1.645, 303.095

75, 50.709,  
120.455

80, 12.319,  
303.631

74, 60.102,  
120.069

81, 22.924,  
304.105

73, 68.539,  
119.866

82, 32.746,  
304.771

73, 75.572,  
119.952

83, 33.245,  
308.475

83, 33.873,

■ 72, 80.746,  
120.440

312.104

■ 72, 83.965,  
121.363

■ 84, 34.627,  
315.633

■ 72, 84.399,  
121.511

■ 84, 35.501,  
319.042

# Harmonies

# Complementary

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



77, 19.741, 122.046



68, 20.422, 304.141

# Rectangle

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



77, 19.741, 122.046



77, 19.741, 172.046



77, 19.741, 302.046



77, 19.741, 352.046

# Sweetspot

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



77, 19.743, 122.049



98, 7.914, 122.737



72, 11.534, 54.243



53, 5.293, 122.700



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



77, 19.743, 122.049



97, 28.983, 121.832



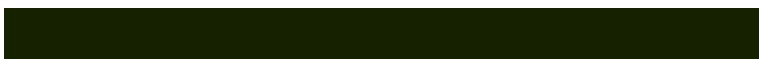
76, 22.478, 138.872



41, 6.036, 122.556



60, 73.029, 121.294



11, 19.908, 125.475



# Inverse Universe

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



68, 20.422, 304.141



83, 30.206, 304.403



69, 22.643, 320.626



38, 6.144, 303.568



21, 91.261, 308.890



2, 19.792, 300.085



# Previews

## White Background



This preview shows how the CIELCh color 77, 19.741, 122.046 looks on a white background.

## Color Contrast Check

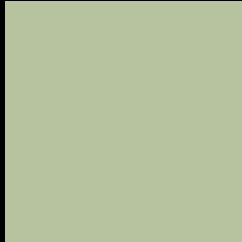
Large Text (above 18pt) WCAG AA × Fail

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 77, 19.741, 122.046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

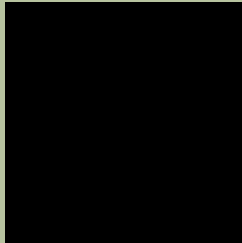
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

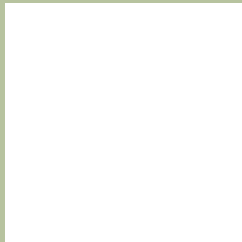
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 77, 19.741, 122.046

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 19.741, 122.046.

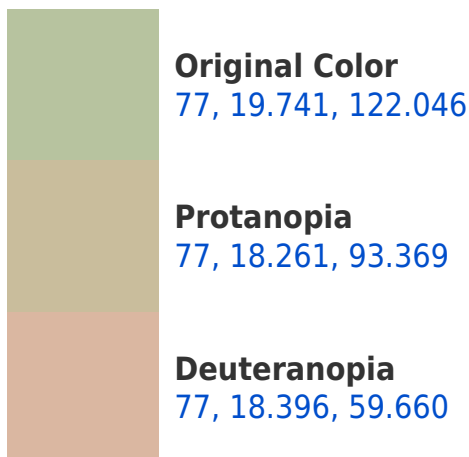


This preview shows how white text looks on a background with the CIELCh color 77, 19.741, 122.046.

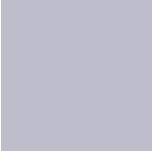
# Color Blindness Simulation

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

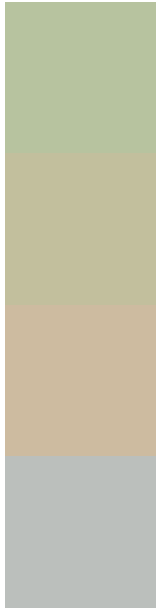






**Tritanopia**  
77, 8.062, 290.927

# Trichromacy



**Original Color**  
77, 19.741, 122.046

**Protanomaly**  
77, 18.164, 104.738

**Deuteranomaly**  
77, 16.135, 82.577

**Tritanomaly**  
77, 2.191, 152.348

# Monochromacy



**Original Color**  
77, 19.741, 122.046

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
76, 7.136, 121.718

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 19.741, 122.046 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(183, 195, 159)` looks like.

```
.text, #text, p{  
    color:rgb(183, 195, 159)  
}
```

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(183, 195, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 195, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 19.741, 122.046 is called "border". The border property can be set on classes, ids or directly on the HTML element.

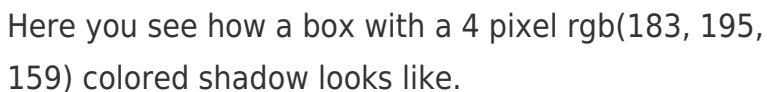
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 195, 159) }
```

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

```
.border{ border-color:rgb(183, 195, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 195, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 195, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 195, 159); box-shadow:4px 4px 4px 4px rgb(183, 195, 159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 19.741, 122.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 195, 159) }
```

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

```
.background{ background-color: rgb(183,  
195, 159) }
```

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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