

Converting Colors

CIELCh(77, 4.017, 119.088)

Have a look what the booklet for
CIELCh(77, 4.017, 119.088) contains.

CIELCh(77, 3.822, 121.065)	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(77, 3.822, 121.065)

Conversions

Conversions Part 1

Format	Color
Hex	BDBFB8
RGB	189, 191, 184
RGB Percent	74%, 75%, 72%
CMY	0.2589, 0.2510, 0.2785
CMYK	0.01, 0.00, 0.04, 0.25
HSL	77°, 5%, 74%
HSV	77°, 4%, 75%
XYZ	48.2600, 51.5317, 52.7422
YIQ	189.6040, 1.0550, -2.6010

Conversions

Conversions Part 2

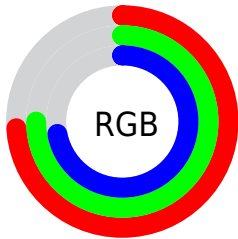
Format	Color
RYB	184, 191, 186
Decimal	12435384
CIELab	77.00, -1.97, 3.27
CIELCh	77, 3.822, 121.065
Yxy	51.5317, 0.3164, 0.3378
Android (android.graphics.Color)	4290625464 (0xFFBDBFB8)
YUV	189.6040, -2.7628, -0.5297
Hunter-Lab	71.7856, -5.6229, 6.6885

Details

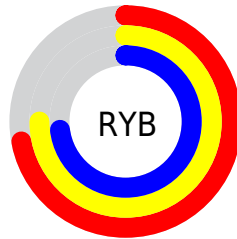
The CIELCh color `77, 3.822, 121.065` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `75, 3.867, 301.479`, and the grayscale version is `77, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 3.639, 121.113`, and `57, 4.060, 120.988` is the 20% darker color. If you saturate the color by 10%, you get `76, 14.268, 120.486`, and if you desaturate by 10%, it is `78, 6.625, 301.624`.

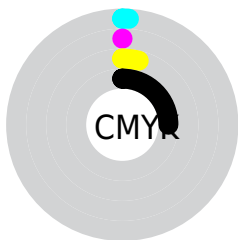
Distribution



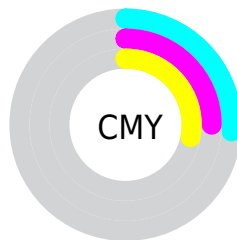
- Red (74%)
- Green (75%)
- Blue (72%)



- Red (72%)
- Yellow (75%)
- Blue (73%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 3.822, 121.065 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, 3.822, 121.065 by changing the saturation by 10% instead.

■ 77, 3.822, 121.065

■ 77, 3.822, 121.065

■ 100, 3.822,
121.065

■ 67, 3.822, 121.065

■ 97, 3.822, 121.065

■ 57, 3.822, 121.065

■ 47, 3.822, 121.065

■ 37, 3.822, 121.065

■ 27, 3.822, 121.065

■ 17, 3.822, 121.065

■ 7, 3.822, 121.065

■ 0, 3.822, 121.065

■ 77, 3.822, 121.065

■ 77, 3.822, 121.065

76, 14.268,
120.486

78, 6.625, 301.624

75, 24.645,
119.887

79, 17.037,
302.160

75, 34.867,
119.295

80, 27.379,
302.660

74, 44.803,
118.737

81, 34.839,
303.825

73, 54.256,
118.256

81, 35.206,
306.748

73, 62.940,
117.914

82, 35.659,
309.638

72, 70.459,
117.799

82, 36.195,
312.482

72, 76.347,
118.016

83, 36.815,
315.265

71, 80.230,

83, 37.514,
317.979

118.662

Harmonies

Complementary

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



77, 3.822, 121.065



75, 3.867, 301.479

Rectangle

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



77, 3.822, 121.065



77, 3.822, 171.065



77, 3.822, 301.065



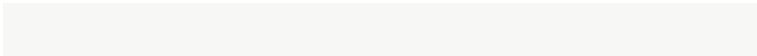
77, 3.822, 351.065

Sweetspot

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



77, 3.824, 121.079



97, 1.278, 121.259



76, 2.145, 49.052



52, 0.732, 121.264



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



77, 3.824, 121.079



97, 5.148, 121.055



77, 4.286, 138.198



40, 2.928, 121.019



60, 71.137, 119.032



10, 17.891, 124.402

Inverse Universe

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



75, 3.867, 301.479



94, 5.207, 301.504



75, 4.311, 318.423



38, 2.963, 301.542



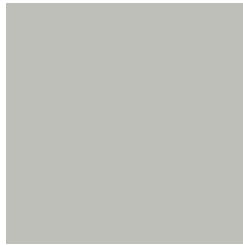
20, 90.932, 308.255



1, 17.647, 298.556

Previews

White Background



This preview shows how the CIELCh color 77, 3.822, 121.065 looks on a white background.

Color Contrast Check

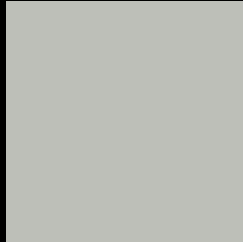
Large Text (above 18pt) WCAG AA × Fail

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, 3.822, 121.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

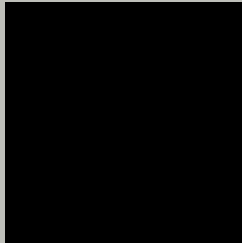
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

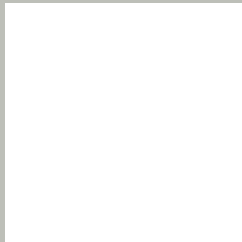
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 3.822, 121.065

Background



This preview shows how black text looks on a background with the CIELCh color 77, 3.822, 121.065.



This preview shows how white text looks on a background with the CIELCh color 77, 3.822, 121.065.

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

77, 3.822, 121.065

Protanopia

77, 3.906, 74.587

Deuteranopia

77, 9.876, 17.077



Tritanopia
77, 8.215, 300.996

Trichromacy



Original Color
77, 3.822, 121.065

Protanomaly
77, 3.897, 93.023

Deuteranomaly
77, 5.748, 30.466

Tritanomaly
77, 3.847, 301.460

Monochromacy



Original Color
77, 3.822, 121.065

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 1.063, 110.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 3.822, 121.065 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, 191, 184)` looks like.

```
.text, #text, p{  
    color:rgb(189, 191, 184)  
}
```

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, 191, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 191, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 3.822, 121.065 is called "border". The border property can be set on classes, ids or directly on the HTML element.

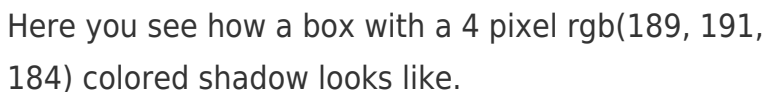
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 191, 184) }
```

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

```
.border{ border-color:rgb(189, 191, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 191, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 191, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 191, 184); box-shadow:4px 4px 4px 4px rgb(189, 191, 184) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 3.822, 121.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 191, 184) }
```

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

```
.background{ background-color: rgb(189,  
191, 184) }
```

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