

Converting Colors

CIELCh(77, 3.601, 90.307)

Have a look what the booklet for
CIELCh(77, 3.601, 90.307) contains.

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Color

CIELCh(77, 3.897, 93.023)

Conversions

Conversions Part 1

Format	Color
Hex	C1BEB7
RGB	193, 190, 183
RGB Percent	76%, 75%, 72%
CMY	0.2435, 0.2552, 0.2827
CMYK	0.00, 0.02, 0.05, 0.24
HSL	42°, 7%, 74%
HSV	42°, 5%, 76%
XYZ	48.9041, 51.5317, 52.1223
YIQ	190.0990, 4.0350, -1.5410

Conversions

Conversions Part 2

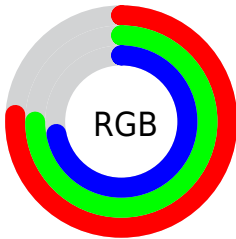
Format	Color
RYB	187, 193, 183
Decimal	12697271
CIELab	77.00, -0.21, 3.89
CIELCh	77, 3.897, 93.023
Yxy	51.5317, 0.3206, 0.3378
Android (android.graphics.Color)	4290887351 (0xFFC1BEB7)
YUV	190.0990, -3.4998, 2.5442
Hunter-Lab	71.7856, -4.0214, 7.2005

Details

The CIELCh color $77, 3.897, 93.023$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $75, 3.917, 274.417$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 3.708, 93.141$, and $57, 4.143, 92.820$ is the 20% darker color. If you saturate the color by 10%, you get $75, 11.536, 91.853$, and if you desaturate by 10%, it is $79, 3.607, 274.351$.

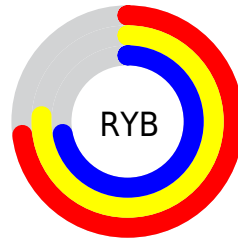
Distribution



Red (76%)

Green (75%)

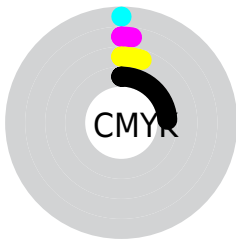
Blue (72%)



Red (73%)

Yellow (76%)

Blue (72%)

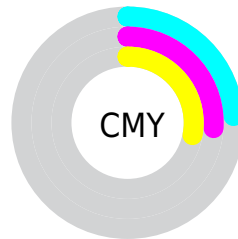


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (24%)



Cyan (24%)

Magenta (26%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 3.897, 93.023 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, 3.897, 93.023 by changing the saturation by 10% instead.

■ 77, 3.897, 93.023

■ 77, 3.897, 93.023

■ 100, 3.897, 93.023

■ 67, 3.897, 93.023

■ 97, 3.897, 93.023

■ 57, 3.897, 93.023

■ 47, 3.897, 93.023

■ 37, 3.897, 93.023

■ 27, 3.897, 93.023

■ 17, 3.897, 93.023

■ 7, 3.897, 93.023

■ 0, 3.897, 93.023

■ 77, 3.897, 93.023

■ 77, 3.897, 93.023

75, 11.536, 91.853

79, 3.607, 274.351

73, 19.296, 90.585

81, 10.980,
275.450

71, 27.150, 89.275

83, 18.226,
276.530

69, 35.036, 87.926

68, 42.833, 86.536

85, 22.808,
275.472

66, 50.315, 85.089

87, 20.471,
267.563

64, 57.088, 83.546

63, 62.544, 81.823

88, 18.608,
257.943

61, 65.958, 79.780

90, 17.357,
246.674

91, 16.842,
234.303

93, 17.114,
221.842

Harmonies

Complementary

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



77, 3.897, 93.023



75, 3.917, 274.417

Rectangle

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



77, 3.897, 93.023



77, 3.897, 143.023



77, 3.897, 273.023



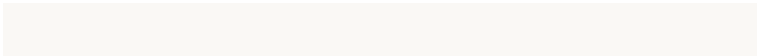
77, 3.897, 323.023

Sweetspot

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



77, 3.898, 93.050



98, 1.844, 93.344



75, 4.082, 356.323



52, 1.048, 93.348



99, 0.012, 296.813



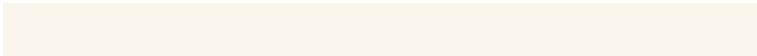
52, 0.007, 296.813

Same Dimension

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



77, 3.898, 93.050



97, 5.574, 92.947



78, 5.396, 117.650



40, 3.001, 92.894



51, 58.673, 79.110



9, 12.931, 82.736

Inverse Universe

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



75, 3.917, 274.417



95, 5.598, 274.526



75, 5.469, 298.347



39, 3.013, 274.584



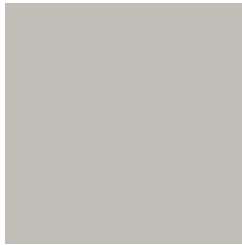
26, 72.115, 298.004



3, 15.500, 281.327

Previews

White Background



This preview shows how the CIELCh color 77, 3.897, 93.023 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 77, 3.897, 93.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

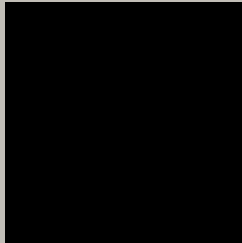
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

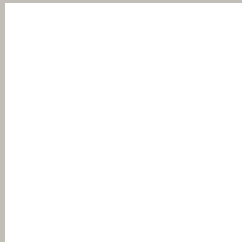
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 3.897, 93.023

Background



This preview shows how black text looks on a background with the CIELCh color 77, 3.897, 93.023.

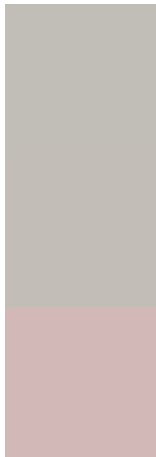


This preview shows how white text looks on a background with the CIELCh color 77, 3.897, 93.023.

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, 3.897, 93.023

Protanopia

77, 3.906, 74.587

Deuteranopia

77, 10.269, 20.199



Tritanopia
77, 8.739, 312.774

Trichromacy



Original Color
77, 3.897, 93.023

Protanomaly
77, 3.703, 79.387

Deuteranomaly
77, 6.889, 28.784

Tritanomaly
77, 4.584, 324.582

Monochromacy



Original Color
77, 3.897, 93.023

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 1.637, 96.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 3.897, 93.023 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, 190, 183)` looks like.

```
.text, #text, p{  
    color:rgb(193, 190, 183)  
}
```

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, 190, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 190, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 3.897, 93.023 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, 190, 183) }
```

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

```
.border{ border-color:rgb(193, 190, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 190, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 190, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 190, 183); box-shadow:4px 4px 4px 4px rgb(193, 190, 183) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 3.897, 93.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 190, 183) }
```

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

```
.background{ background-color: rgb(193,  
190, 183) }
```

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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