

Converting Colors

CIELCh(77, 7.073, 292.010)

Have a look what the booklet for
CIELCh(77, 7.073, 292.010) contains.

CIELCh(77, 6.989, 290.830)	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, 6.989, 290.830)

Conversions

Conversions Part 1

Format	Color
Hex	BDBDCA
RGB	189, 189, 202
RGB Percent	74%, 74%, 79%
CMY	0.2585, 0.2585, 0.2075
CMYK	0.06, 0.06, 0.00, 0.21
HSL	240°, 11%, 77%
HSV	240°, 6%, 79%
XYZ	49.8960, 51.5317, 63.2499
YIQ	190.4820, -4.1730, 4.0430

Conversions

Conversions Part 2

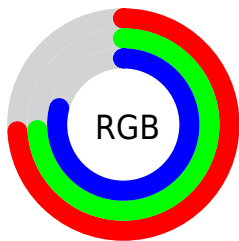
Format	Color
R_{YB}	189, 189, 202
Decimal	12434890
CIE Lab	77.00, 2.49, -6.53
CIE LCh	77, 6.989, 290.830
Yxy	51.5317, 0.3030, 0.3129
Android (android.graphics.Color)	4290624970 (0xFFBDBDCA)
YUV	190.4820, 5.6784, -1.2997
Hunter-Lab	71.7856, -1.5548, -1.9901

Details

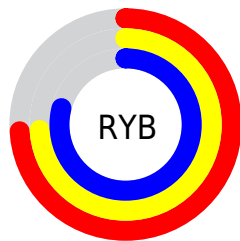
The CIELCh color $77, 6.989, 290.830$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 6.875, 109.546$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 5.124, 290.582$, and $57, 6.852, 290.987$ is the 20% darker color. If you saturate the color by 10%, you get $70, 18.198, 291.962$, and if you desaturate by 10%, it is $84, 3.783, 109.823$.

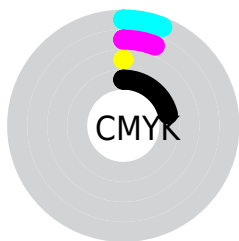
Distribution



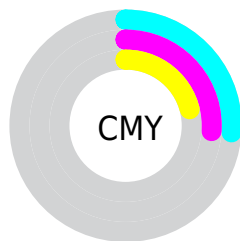
- Red (74%)
- Green (74%)
- Blue (79%)



- Red (74%)
- Yellow (74%)
- Blue (79%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)



- Cyan (26%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 6.989, 290.830 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, 6.989, 290.830 by changing the saturation by 10% instead.

■ 77, 6.989, 290.830

■ 77, 6.989, 290.830

■ 100, 6.989,
290.830

■ 67, 6.989, 290.830

■ 97, 6.989, 290.830

■ 57, 6.989, 290.830

■ 47, 6.989, 290.830

■ 37, 6.989, 290.830

■ 27, 6.989, 290.830

■ 17, 6.989, 290.830

■ 7, 6.989, 290.830

■ 0, 6.989, 290.830

■ 77, 6.989, 290.830

■ 77, 6.989, 290.830

70, 18.198,
291.962

84, 3.783, 109.823

63, 29.886,
293.312

90, 14.146,
109.010

57, 42.082,
294.896

97, 24.132,
108.308

50, 54.787,
296.729

99, 26.690,
108.151

43, 67.919,
298.792

37, 81.165,
300.996

32, 93.736,
303.143

28, 104.137,
304.916

25, 110.581,

Harmonies

Complementary

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



77, 6.989, 290.830



81, 6.875, 109.546

Rectangle

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



77, 6.989, 290.830



77, 6.989, 340.830



77, 6.989, 110.830



77, 6.989, 160.830

Sweetspot

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



77, 6.987, 290.821



98, 2.608, 290.394



80, 4.676, 197.756



52, 1.483, 290.385



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, 6.987, 290.821



93, 10.526, 290.998



77, 7.373, 308.756



39, 6.242, 291.139



19, 96.919, 306.284



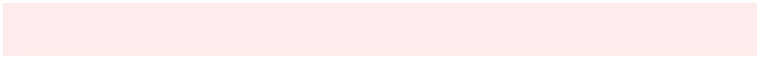
1, 23.530, 292.440

Inverse Universe

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



78, 4.861, 19.668



94, 7.349, 19.804



81, 7.294, 128.216



40, 4.369, 19.906



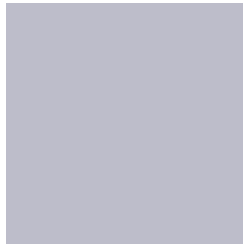
34, 75.544, 39.814



4, 17.910, 19.394

Previews

White Background



This preview shows how the CIELCh color 77, 6.989, 290.830 looks on a white background.

Color Contrast Check

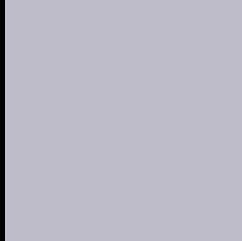
Large Text (above 18pt) WCAG AA × Fail

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, 6.989, 290.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

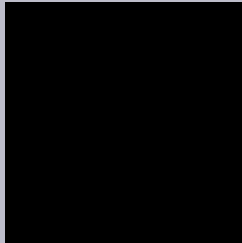
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

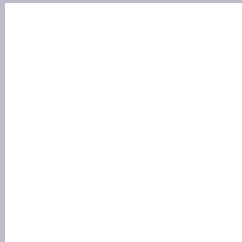
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 6.989, 290.830

Background



This preview shows how black text looks on a background with the CIELCh color 77, 6.989, 290.830.

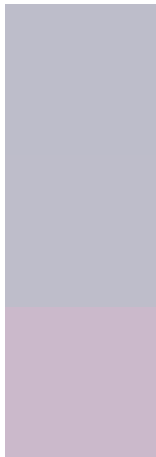


This preview shows how white text looks on a background with the CIELCh color 77, 6.989, 290.830.

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, 6.989, 290.830

Protanopia

77, 7.003, 293.769

Deuteranopia

77, 11.733, 324.903



Tritanopia
77, 8.062, 290.927

Trichromacy



Original Color
77, 6.989, 290.830

Protanomaly
77, 7.003, 293.769

Deuteranomaly
77, 10.171, 316.250

Tritanomaly
77, 7.525, 290.879

Monochromacy



Original Color
77, 6.989, 290.830

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 2.691, 290.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 6.989, 290.830 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, 189, 202)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 202)  
}
```

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, 189, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 6.989, 290.830 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, 189, 202) }
```

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

```
.border{ border-color:rgb(189, 189, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 189, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 189, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 189, 202); box-shadow:4px 4px 4px 4px rgb(189, 189, 202) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 6.989, 290.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 202) }
```

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

```
.background{ background-color: rgb(189,  
189, 202) }
```

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