

Converting Colors

CIELCh(77, 9.697, 286.890)

Have a look what the booklet for
CIELCh(77, 9.697, 286.890) contains.

CIELCh(77, 9.687, 286.884)	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, 9.687, 286.884)

Conversions

Conversions Part 1

Format	Color
Hex	BBBDCF
RGB	187, 189, 207
RGB Percent	73%, 74%, 81%
CMY	0.2662, 0.2584, 0.1878
CMYK	0.10, 0.09, 0.00, 0.19
HSL	234°, 17%, 77%
HSV	234°, 10%, 81%
XYZ	50.0179, 51.5317, 66.4136
YIQ	190.4540, -6.9700, 5.1740

Conversions

Conversions Part 2

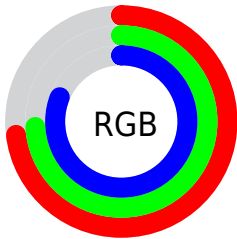
Format	Color
R _Y B	187, 189, 207
Decimal	12303823
CIE Lab	77.00, 2.81, -9.27
CIE LCh	77, 9.687, 286.884
Yxy	51.5317, 0.2978, 0.3068
Android (android.graphics.Color)	4290493903 (0xFFBBBDCF)
YUV	190.4540, 8.1572, -3.0292
Hunter-Lab	71.7856, -1.2517, -4.6032

Details

The CIELCh color $77, 9.687, 286.884$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 9.514, 104.784$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 5.160, 282.900$, and $57, 9.718, 286.934$ is the 20% darker color. If you saturate the color by 10%, you get $71, 20.064, 288.165$, and if you desaturate by 10%, it is $83, 0.328, 105.430$.

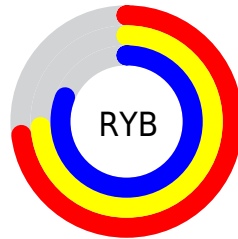
Distribution



Red (73%)

Green (74%)

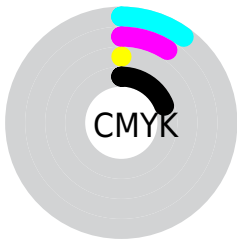
Blue (81%)



Red (73%)

Yellow (74%)

Blue (81%)

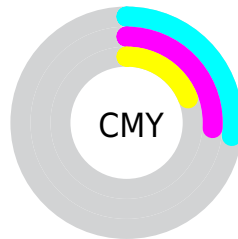


Cyan (10%)

Magenta (9%)

Yellow (0%)

Black (19%)



Cyan (27%)

Magenta (26%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 9.687, 286.884 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, 9.687, 286.884 by changing the saturation by 10% instead.

■ 77, 9.687, 286.884

■ 77, 9.687, 286.884

■ 100, 9.687,
286.884

■ 67, 9.687, 286.884

■ 97, 9.687, 286.884

■ 57, 9.687, 286.884

■ 47, 9.687, 286.884

■ 37, 9.687, 286.884

■ 27, 9.687, 286.884

■ 17, 9.687, 286.884

■ 7, 9.687, 286.884

■ 0, 9.687, 286.884

■ 77, 9.687, 286.884

■ 77, 9.687, 286.884

71, 20.064,
288.165

83, 0.328, 105.430

64, 30.839,
289.681

90, 10.002,
104.808

58, 42.044,
291.455

96, 19.362,
104.002

51, 53.699,
293.509

99, 24.176,
108.344

45, 65.777,
295.833

39, 78.109,
298.360

34, 90.214,
300.928

30, 101.086,
303.269

27, 109.283,

Harmonies

Complementary

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



77, 9.687, 286.884



82, 9.514, 104.784

Rectangle

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



77, 9.687, 286.884



77, 9.687, 336.884



77, 9.687, 106.884



77, 9.687, 156.884

Sweetspot

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



77, 9.685, 286.878



98, 3.529, 286.153



82, 7.259, 189.106



52, 2.677, 286.233



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, 9.685, 286.878



91, 14.308, 287.178



77, 11.139, 305.386



41, 5.732, 286.849



21, 93.064, 304.840



2, 23.778, 290.783

Inverse Universe

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



78, 7.590, 11.875



92, 11.257, 12.122



82, 10.950, 124.417



41, 4.490, 11.851



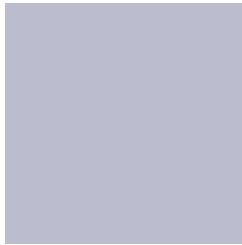
35, 72.370, 35.516



4, 20.056, 14.804

Previews

White Background



This preview shows how the CIELCh color 77, 9.687, 286.884 looks on a white background.

Color Contrast Check

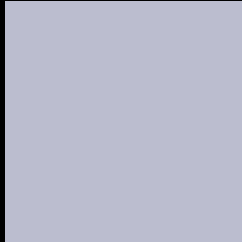
Large Text (above 18pt) WCAG AA × Fail

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, 9.687, 286.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

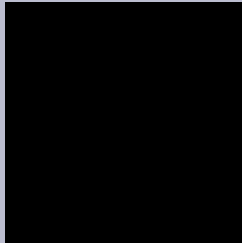
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

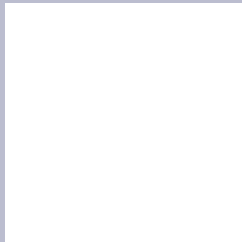
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 9.687, 286.884

Background



This preview shows how black text looks on a background with the CIELCh color 77, 9.687, 286.884.

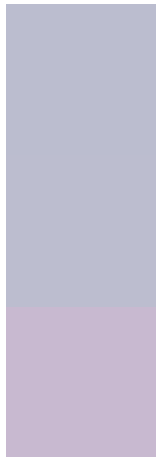


This preview shows how white text looks on a background with the CIELCh color 77, 9.687, 286.884.

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, 9.687, 286.884

Protanopia

77, 9.674, 288.974

Deuteranopia

77, 13.552, 314.648



Tritanopia
77, 8.107, 283.366

Trichromacy



Original Color
77, 9.687, 286.884

Protanomaly
77, 9.674, 288.974

Deuteranomaly
77, 12.313, 306.355

Tritanomaly
77, 8.639, 283.898

Monochromacy



Original Color
77, 9.687, 286.884

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 3.763, 290.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 9.687, 286.884 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(187, 189, 207)` looks like.

```
.text, #text, p{  
    color:rgb(187, 189, 207)  
}
```

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(187, 189, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 189, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 9.687, 286.884 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(187, 189, 207) }
```

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

```
.border{ border-color:rgb(187, 189, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 189, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 189, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 189, 207);  
box-shadow:4px 4px 4px 4px rgb(187, 189,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 9.687, 286.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 189, 207) }
```

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

```
.background{ background-color: rgb(187,  
189, 207) }
```

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