

Converting Colors

CIELCh(77, 19.759, 301.627)

Have a look what the booklet for
CIELCh(77, 19.759, 301.627)
contains.

CIELCh(77, 19.740, 302.020)	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, 19.740, 302.020)

Conversions

Conversions Part 1

Format	Color
Hex	C3B9DD
RGB	195, 185, 221
RGB Percent	76%, 73%, 87%
CMY	0.2352, 0.2744, 0.1333
CMYK	0.12, 0.16, 0.00, 0.13
HSL	257°, 35%, 80%
HSV	257°, 16%, 87%
XYZ	52.9170, 51.5317, 75.5772
YIQ	192.0940, -5.5960, 13.3160

Conversions

Conversions Part 2

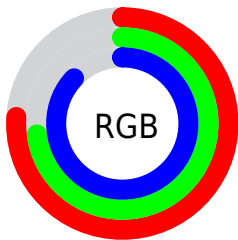
Format	Color
R_{YB}	195, 185, 221
Decimal	12827101
CIE _{Lab}	77.00, 10.47, -16.74
CIE _{LCh}	77, 19.740, 302.020
Yxy	51.5317, 0.2939, 0.2862
Android (android.graphics.Color)	4291017181 (0xFFC3B9DD)
YUV	192.0940, 14.2507, 2.5486
Hunter-Lab	71.7856, 5.9569, -12.1716

Details

The CIELCh color $77, 19.740, 302.020$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $87, 19.113, 119.991$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 8.179, 318.593$, and $57, 19.772, 301.840$ is the 20% darker color. If you saturate the color by 10%, you get $70, 32.434, 302.790$, and if you desaturate by 10%, it is $84, 7.487, 301.337$.

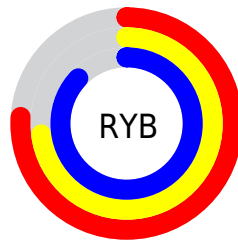
Distribution



Red (76%)

Green (73%)

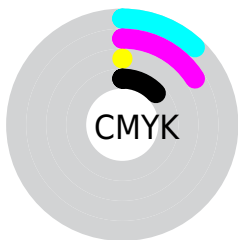
Blue (87%)



Red (76%)

Yellow (73%)

Blue (87%)

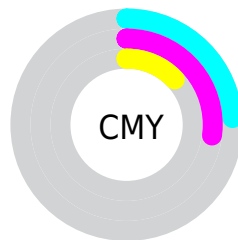


Cyan (12%)

Magenta (16%)

Yellow (0%)

Black (13%)



Cyan (24%)

Magenta (27%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 19.740, 302.020 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, 19.740, 302.020 by changing the saturation by 10% instead.

■ 77, 19.740,
302.020

■ 77, 19.740,
302.020

■ 100, 19.740,
302.020

■ 67, 19.740,
302.020

■ 97, 19.740,
302.020

■ 57, 19.740,
302.020

■ 47, 19.740,
302.020

■ 37, 19.740,
302.020

■ 27, 19.740,
302.020

■ 17, 19.740,
302.020

■ 7, 19.740, 302.020

0, 19.740, 302.020

77, 19.740,
302.020

77, 19.740,
302.020

70, 32.434,
302.790

84, 7.487, 301.337

63, 45.553,
303.654

91, 4.326, 120.763

57, 59.016,
304.600

97, 15.717,
120.244

50, 72.632,
305.596

99, 17.185,
108.878

44, 85.998,
306.575

39, 98.364,
307.418

■ 34, 108.559,
307.951

■ 31, 115.266,
307.987

■ 30, 117.152,
307.949

Harmonies

Complementary

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



77, 19.740, 302.020



87, 19.113, 119.991

Rectangle

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



77, 19.740, 302.020



77, 19.740, 352.020



77, 19.740, 122.020



77, 19.740, 172.020

Sweetspot

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



77, 19.738, 302.018



96, 6.674, 301.257



83, 10.273, 228.588



51, 4.558, 301.303



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, 19.738, 302.018



85, 27.410, 302.306



78, 21.696, 318.504



42, 6.753, 301.542



23, 97.559, 308.089



3, 30.115, 301.782

Inverse Universe

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



79, 19.106, 334.492



87, 26.393, 334.775



85, 21.492, 137.049



43, 6.588, 334.000



39, 70.202, 343.184



6, 28.447, 340.011

Previews

White Background



This preview shows how the CIELCh color 77, 19.740, 302.020 looks on a white background.

Color Contrast Check

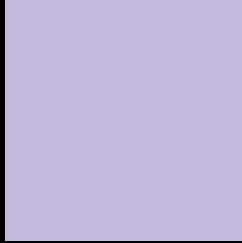
Large Text (above 18pt) WCAG AA × Fail

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, 19.740, 302.020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

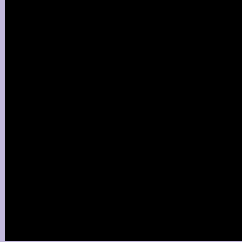
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 19.740, 302.020

Background



This preview shows how black text looks on a background with the CIELCh color 77, 19.740, 302.020.



This preview shows how white text looks on a background with the CIELCh color 77, 19.740, 302.020.

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, 19.740, 302.020

Protanopia

77, 18.853, 286.742

Deuteranopia

77, 19.681, 301.022



Tritanopia
77, 8.215, 300.996

Trichromacy



Original Color
77, 19.740, 302.020

Protanomaly
77, 18.826, 291.900

Deuteranomaly
77, 19.681, 301.022

Tritanomaly
77, 12.587, 301.025

Monochromacy



Original Color
77, 19.740, 302.020

Achromatopsia
78, 0.009, 296.813

Achromatomaly
77, 7.680, 301.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 19.740, 302.020 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(195, 185, 221)` looks like.

```
.text, #text, p{  
    color:rgb(195, 185, 221)  
}
```

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(195, 185, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 185, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 19.740, 302.020 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(195, 185, 221) }
```

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

```
.border{ border-color:rgb(195, 185, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 185, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 185, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 185, 221);  
box-shadow:4px 4px 4px 4px rgb(195, 185,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 19.740, 302.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 185, 221) }
```

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

```
.background{ background-color: rgb(195,  
185, 221) }
```

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