

Converting Colors

CIELCh(77, 10.581, 272.937)

Have a look what the booklet for
CIELCh(77, 10.581, 272.937)
contains.

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Color

CIELCh(77, 10.201, 271.021)

Conversions

Conversions Part 1

Format	Color
Hex	B5BFD1
RGB	181, 191, 209
RGB Percent	71%, 75%, 82%
CMY	0.2912, 0.2520, 0.1814
CMYK	0.13, 0.09, 0.00, 0.18
HSL	219°, 23%, 76%
HSV	219°, 13%, 82%
XYZ	49.0460, 51.5317, 67.5120
YIQ	190.0620, -11.7380, 3.4780

Conversions

Conversions Part 2

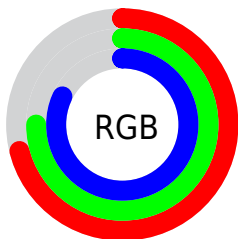
Format	Color
R_{YB}	181, 188, 209
Decimal	11911121
CIE Lab	77.00, 0.18, -10.20
CIE LCh	77, 10.201, 271.021
Yxy	51.5317, 0.2918, 0.3066
Android (android.graphics.Color)	4290101201 (0xFFB5BFD1)
YUV	190.0620, 9.3364, -7.9474
Hunter-Lab	71.7856, -3.6684, -5.5104

Details

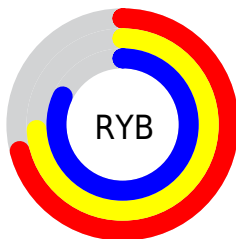
The CIELCh color `77, 10.201, 271.021` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80, 10.259, 87.451`, and the grayscale version is `77, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 5.294, 250.114`, and `57, 10.267, 270.469` is the 20% darker color. If you saturate the color by 10%, you get `72, 17.913, 272.631`, and if you desaturate by 10%, it is `82, 2.584, 269.695`.

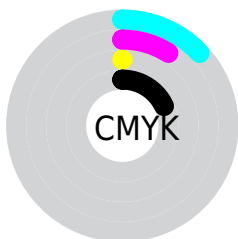
Distribution



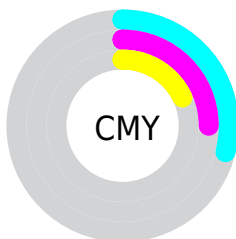
- Red (71%)
- Green (75%)
- Blue (82%)



- Red (71%)
- Yellow (74%)
- Blue (82%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)





- Cyan (29%)
- Magenta (25%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 10.201, 271.021 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, 10.201, 271.021 by changing the saturation by 10% instead.


 77, 10.201,
271.021


 77, 10.201,
271.021


 100, 10.201,
271.021


 67, 10.201,
271.021


 97, 10.201,
271.021

 57, 10.201,
271.021

 47, 10.201,
271.021

 37, 10.201,
271.021

 27, 10.201,
271.021

 17, 10.201,
271.021

 7, 10.201, 271.021

0, 10.201, 271.021

77, 10.201,
271.021

77, 10.201,
271.021

72, 17.913,
272.631

82, 2.584, 269.695

87, 4.932, 88.337

67, 25.725,
274.535

92, 12.345, 87.330

62, 33.644,
276.766

96, 18.590, 96.447

57, 41.692,
279.365

99, 23.362,
108.407

52, 49.902,
282.354

48, 58.318,
285.717

■ 43, 66.961,
289.370

■ 39, 75.778,
293.148

■ 37, 81.608,
295.524

Harmonies

Complementary

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



77, 10.201, 271.021



80, 10.259, 87.451

Rectangle

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



77, 10.201, 271.021



77, 10.201, 321.021



77, 10.201, 91.021



77, 10.201, 141.021

Sweetspot

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



77, 10.200, 271.013



98, 3.564, 269.761



81, 11.499, 170.316



52, 2.533, 269.848



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, 10.200, 271.013



91, 14.339, 271.436



75, 15.232, 296.526



41, 4.312, 270.441



30, 68.418, 294.939



4, 19.233, 281.967

Inverse Universe

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



76, 11.788, 353.356



89, 16.620, 353.657



83, 14.786, 114.386



41, 4.960, 352.935



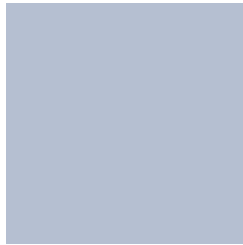
35, 62.699, 15.364



5, 20.749, 2.543

Previews

White Background



This preview shows how the CIELCh color 77, 10.201, 271.021 looks on a white background.

Color Contrast Check

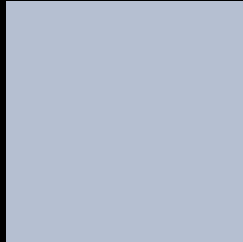
Large Text (above 18pt) WCAG AA × Fail

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, 10.201, 271.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

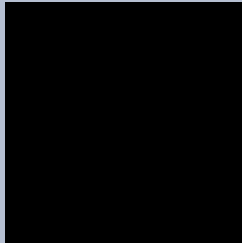
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

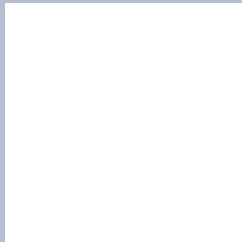
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 10.201, 271.021

Background



This preview shows how black text looks on a background with the CIELCh color 77, 10.201, 271.021.

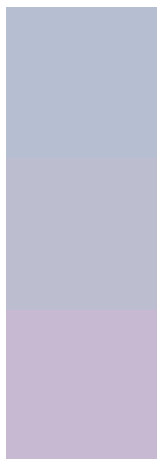


This preview shows how white text looks on a background with the CIELCh color 77, 10.201, 271.021.

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, 10.201, 271.021

Protanopia

77, 9.674, 288.974

Deuteranopia

77, 14.410, 311.639



Tritanopia
77, 8.856, 265.027

Trichromacy



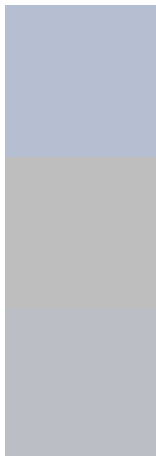
Original Color
77, 10.201, 271.021

Protanomaly
77, 9.792, 280.709

Deuteranomaly
77, 12.528, 299.424

Tritanomaly
77, 9.338, 266.560

Monochromacy



Original Color
77, 10.201, 271.021

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 3.900, 274.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 10.201, 271.021 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(181, 191, 209)` looks like.

```
.text, #text, p{  
    color:rgb(181, 191, 209)  
}
```

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(181, 191, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 191, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 10.201, 271.021 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(181, 191, 209) }
```

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

```
.border{ border-color:rgb(181, 191, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 191, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 191, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 191, 209);  
box-shadow:4px 4px 4px 4px rgb(181, 191,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 10.201, 271.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 191, 209) }
```

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

```
.background{ background-color: rgb(181,  
191, 209) }
```

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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