

Converting Colors

CIELCh(76, 11.014, 237.867)

Have a look what the booklet for
CIELCh(76, 11.014, 237.867)
contains.

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Color

CIELCh(76, 10.972, 238.731)

Conversions

Conversions Part 1

Format	Color
Hex	A6BFCC
RGB	166, 191, 204
RGB Percent	65%, 75%, 80%
CMY	0.3480, 0.2499, 0.1989
CMYK	0.19, 0.06, 0.00, 0.20
HSL	201°, 27%, 73%
HSV	201°, 19%, 80%
XYZ	45.4026, 49.8872, 64.5341
YIQ	185.0070, -19.0730, -1.2570

Conversions

Conversions Part 2

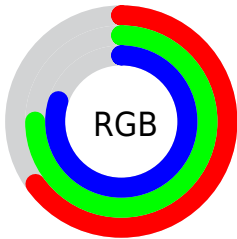
Format	Color
RYB	166, 181, 204
Decimal	10928076
CIELab	76.00, -5.70, -9.38
CIElCh	76, 10.972, 238.731
Yxy	49.8872, 0.2841, 0.3121
Android (android.graphics.Color)	4289118156 (0xFFA6BFCC)
YUV	185.0070, 9.3635, -16.6691
Hunter-Lab	70.6309, -8.8616, -4.7305

Details

The CIELCh color $76, 10.972, 238.731$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $75, 12.074, 55.247$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 9.593, 224.366$, and $56, 10.864, 238.182$ is the 20% darker color. If you saturate the color by 10%, you get $73, 16.489, 240.094$, and if you desaturate by 10%, it is $79, 5.174, 237.657$.

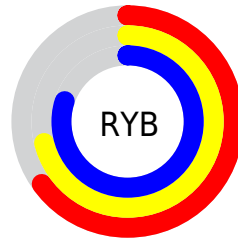
Distribution



Red (65%)

Green (75%)

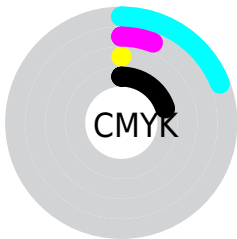
Blue (80%)



Red (65%)

Yellow (71%)

Blue (80%)

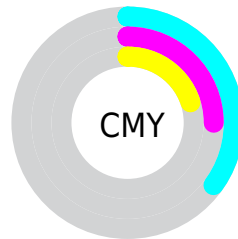


Cyan (19%)

Magenta (6%)

Yellow (0%)

Black (20%)



Cyan (35%)


Magenta (25%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 10.972, 238.731 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 76, 10.972, 238.731 by changing the saturation by 10% instead.


 76, 10.972,
238.731


 76, 10.972,
238.731


 100, 10.972,
238.731


 66, 10.972,
238.731


 96, 10.972,
238.731

 56, 10.972,
238.731

 46, 10.972,
238.731

 36, 10.972,
238.731

 26, 10.972,
238.731

 16, 10.972,
238.731

 6, 10.972, 238.731

0, 10.972, 238.731

76, 10.972,
238.731

76, 10.972,
238.731

73, 16.489,
240.094

79, 5.174, 237.657

83, 0.846, 56.084

70, 21.664,
241.813

86, 7.035, 55.865

67, 26.441,
243.952

89, 13.349, 55.305

64, 30.776,
246.597

92, 15.747, 65.526

93, 17.005, 80.018

61, 34.658,
249.830

95, 19.178, 91.790

59, 38.124,
253.710

97, 21.982,
100.786

■ 56, 41.274,
258.236

■ 99, 25.192,
107.543

■ 54, 44.294,
263.242

■ 54, 44.730,
263.924

Harmonies

Complementary

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



76, 10.972, 238.731



75, 12.074, 55.247

Rectangle

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



76, 10.972, 238.731



76, 10.972, 288.731



76, 10.972, 58.731



76, 10.972, 108.731

Sweetspot

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



76, 10.972, 238.722



98, 4.339, 237.450



79, 19.525, 154.257



52, 2.874, 237.500



0, 0.000, 0.000



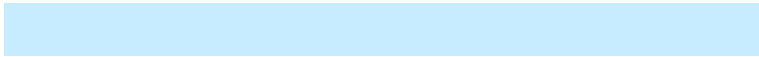
53, 0.007, 296.813

Same Dimension

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



76, 10.972, 238.722



91, 15.409, 239.191



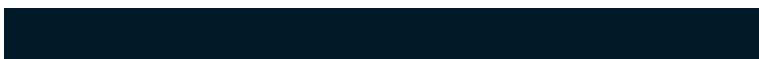
71, 17.388, 284.668



41, 3.402, 237.729



44, 37.940, 263.082



8, 12.518, 251.481

Inverse Universe

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



72, 19.593, 337.382



86, 27.781, 337.676



80, 16.957, 100.256



40, 5.928, 336.668



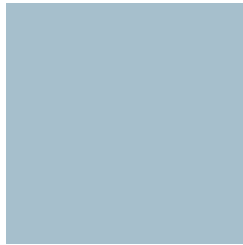
36, 65.292, 347.885



4, 22.006, 343.373

Previews

White Background



This preview shows how the CIELCh color 76, 10.972, 238.731 looks on a white background.

Color Contrast Check

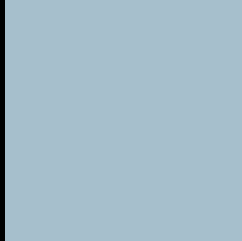
Large Text (above 18pt) WCAG AA × Fail

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 76, 10.972, 238.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

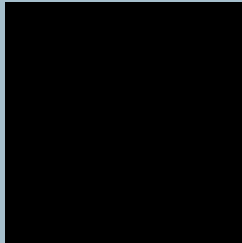
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

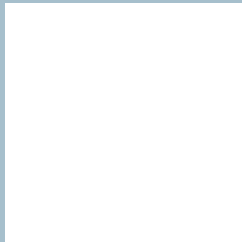
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 10.972, 238.731

Background



This preview shows how black text looks on a background with the CIELCh color 76, 10.972, 238.731.

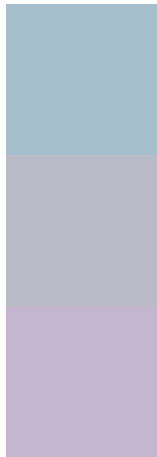


This preview shows how white text looks on a background with the CIELCh color 76, 10.972, 238.731.

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
76, 10.972, 238.731

Protanopia
76, 8.086, 290.938

Deuteranopia
76, 13.950, 312.409



Tritanopia
76, 11.396, 244.291

Trichromacy



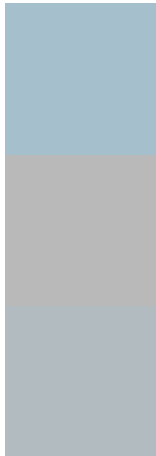
Original Color
76, 10.972, 238.731

Protanomaly
76, 8.122, 267.777

Deuteranomaly
76, 10.789, 291.188

Tritanomaly
76, 11.050, 242.152

Monochromacy



Original Color
76, 10.972, 238.731

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 4.190, 239.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 10.972, 238.731 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(166, 191, 204)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 204)  
}
```

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(166, 191, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 10.972, 238.731 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(166, 191, 204) }
```

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

```
.border{ border-color:rgb(166, 191, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 191, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 191, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 191, 204);  
box-shadow:4px 4px 4px 4px rgb(166, 191,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 10.972, 238.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 204) }
```

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

```
.background{ background-color: rgb(166,  
191, 204) }
```

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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