

Converting Colors

CIELCh(76, 12.705, 223.829)

Have a look what the booklet for
CIELCh(76, 12.705, 223.829)
contains.

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Color

CIELCh(76, 12.700, 223.849)

Conversions

Conversions Part 1

Format	Color
Hex	9FC1CB
RGB	159, 193, 203
RGB Percent	62%, 76%, 80%
CMY	0.3760, 0.2427, 0.2035
CMYK	0.22, 0.05, 0.00, 0.20
HSL	194°, 30%, 71%
HSV	194°, 22%, 80%
XYZ	44.2062, 49.8872, 63.8679
YIQ	183.9740, -23.4740, -4.0980

Conversions

Conversions Part 2

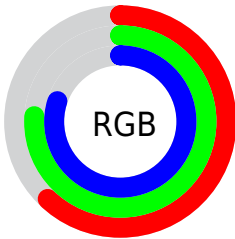
Format	Color
R_{YB}	159, 178, 203
Decimal	10469835
CIE Lab	76.00, -9.16, -8.80
CIE LCh	76, 12.700, 223.849
Yxy	49.8872, 0.2799, 0.3158
Android (android.graphics.Color)	4288659915 (0xFF9FC1CB)
YUV	183.9740, 9.3798, -21.9022
Hunter-Lab	70.6309, -11.8851, -4.1712

Details

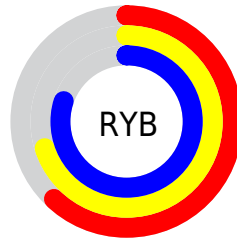
The CIELCh color **76, 12.700, 223.849** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 14.609, 42.072**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 12.034, 213.620**, and **56, 12.559, 225.757** is the 20% darker color. If you saturate the color by 10%, you get **74, 17.953, 224.668**, and if you desaturate by 10%, it is **79, 7.031, 223.258**.

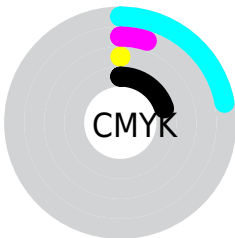
Distribution



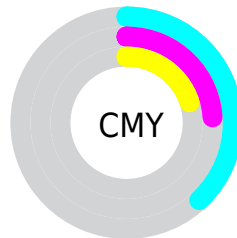
- Red (62%)
- Green (76%)
- Blue (80%)



- Red (62%)
- Yellow (70%)
- Blue (80%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (38%)
- Magenta (24%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 12.700, 223.849 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, 12.700, 223.849 by changing the saturation by 10% instead.


 76, 12.700,
223.849

 76, 12.700,
223.849


 100, 12.700,
223.849


 66, 12.700,
223.849


 96, 12.700,
223.849

 56, 12.700,
223.849

 46, 12.700,
223.849

 36, 12.700,
223.849

 26, 12.700,
223.849

 16, 12.700,
223.849

 6, 12.700, 223.849

0, 12.700, 223.849

76, 12.700,
223.849

76, 12.700,
223.849

74, 17.953,
224.668

79, 7.031, 223.258

71, 22.701,
225.778

81, 1.028, 223.262

84, 5.233, 42.321

69, 26.859,
227.242

87, 11.689, 42.172

67, 30.355,
229.138

89, 16.253, 44.820

90, 15.925, 54.973

65, 33.151,
231.557

92, 16.116, 65.192

63, 35.260,
234.584

93, 16.806, 74.839

■ 62, 36.765,
238.279

■ 94, 17.933, 83.464

■ 60, 37.742,
241.762

Harmonies

Complementary

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



76, 12.700, 223.849



72, 14.609, 42.072

Rectangle

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



76, 12.700, 223.849



76, 12.700, 273.849



76, 12.700, 43.849



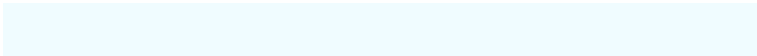
76, 12.700, 93.849

Sweetspot

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



76, 12.700, 223.842



98, 4.410, 223.060



78, 24.699, 149.572



52, 2.920, 223.075



0, 0.000, 0.000



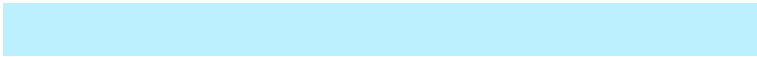
53, 0.007, 296.813

Same Dimension

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



76, 12.700, 223.842



92, 18.063, 224.197



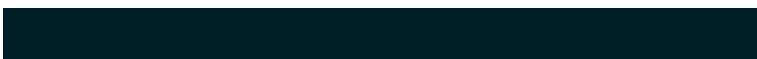
70, 17.659, 277.948



42, 3.451, 223.162



50, 32.361, 241.061



9, 11.747, 231.024

Inverse Universe

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



70, 24.633, 332.896



84, 35.573, 333.221



77, 17.530, 92.249



40, 6.435, 332.064



37, 70.361, 339.743



5, 24.111, 336.736

Previews

White Background



This preview shows how the CIELCh color 76, 12.700, 223.849 looks on a white background.

Color Contrast Check

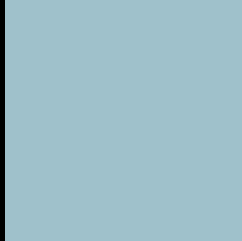
Large Text (above 18pt) WCAG AA × Fail

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 76, 12.700, 223.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

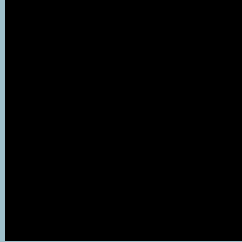
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

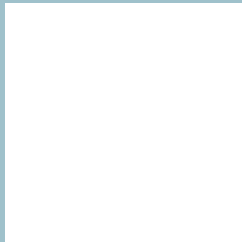
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 12.700, 223.849

Background



This preview shows how black text looks on a background with the CIELCh color 76, 12.700, 223.849.

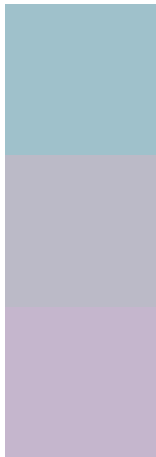


This preview shows how white text looks on a background with the CIELCh color 76, 12.700, 223.849.

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](#).

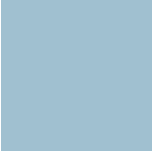
Dichromacy



Original Color
76, 12.700, 223.849

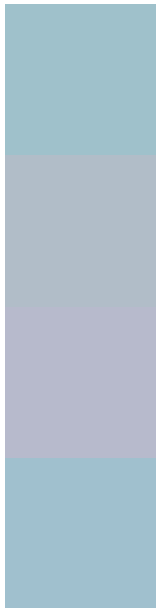
Protanopia
76, 7.024, 293.778

Deuteranopia
76, 13.591, 314.654



Tritanopia
76, 13.646, 238.136

Trichromacy



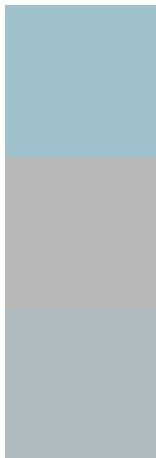
Original Color
76, 12.700, 223.849

Protanomaly
76, 7.217, 254.565

Deuteranomaly
76, 9.742, 284.825

Tritanomaly
76, 13.071, 234.156

Monochromacy



Original Color
76, 12.700, 223.849

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 4.804, 225.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 12.700, 223.849 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(159, 193, 203)` looks like.

```
.text, #text, p{  
    color:rgb(159, 193, 203)  
}
```

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(159, 193, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 193, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 12.700, 223.849 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(159, 193, 203) }
```

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

```
.border{ border-color:rgb(159, 193, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 193, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 193, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 193, 203);  
box-shadow:4px 4px 4px 4px rgb(159, 193,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 12.700, 223.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 193, 203) }
```

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

```
.background{ background-color: rgb(159,  
193, 203) }
```

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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