

Converting Colors

CIELCh(70, 13.614, 285.989)

Have a look what the booklet for
CIELCh(70, 13.614, 285.989)
contains.

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Color

CIELCh(70, 13.741, 285.658)

Conversions

Conversions Part 1

Format	Color
Hex	A6AAC3
RGB	166, 170, 195
RGB Percent	65%, 67%, 76%
CMY	0.3494, 0.3337, 0.2356
CMYK	0.15, 0.13, 0.00, 0.24
HSL	232°, 19%, 71%
HSV	232°, 15%, 76%
XYZ	39.9052, 40.7494, 57.3381
YIQ	171.6540, -10.4090, 6.9270

Conversions

Conversions Part 2

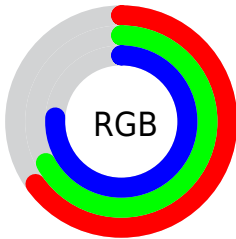
Format	Color
R_{YB}	166, 170, 195
Decimal	10922691
CIE Lab	70.00, 3.71, -13.23
CIE LCh	70, 13.741, 285.658
Yxy	40.7494, 0.2892, 0.2953
Android (android.graphics.Color)	4289112771 (0xFFA6AAC3)
YUV	171.6540, 11.5096, -4.9586
Hunter-Lab	63.8353, -0.1263, -8.5708

Details

The CIELCh color $70, 13.741, 285.658$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $77, 13.428, 102.277$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 14.081, 285.803$, and $50, 13.510, 285.650$ is the 20% darker color. If you saturate the color by 10%, you get $64, 23.366, 287.087$, and if you desaturate by 10%, it is $76, 4.437, 284.446$.

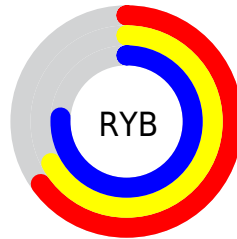
Distribution



Red (65%)

Green (67%)

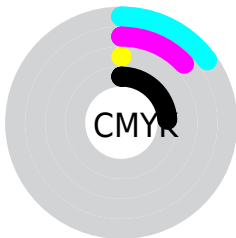
Blue (76%)



Red (65%)

Yellow (67%)

Blue (76%)

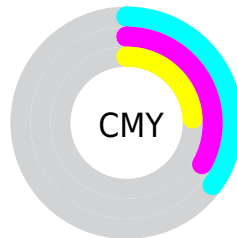


Cyan (15%)

Magenta (13%)

Yellow (0%)

Black (24%)



Cyan (35%)


Magenta (33%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 13.741, 285.658 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 70, 13.741, 285.658 by changing the saturation by 10% instead.


 70, 13.741,
285.658


 70, 13.741,
285.658


 100, 13.741,
285.658


 60, 13.741,
285.658


 90, 13.741,
285.658

 50, 13.741,
285.658

 40, 13.741,
285.658

 30, 13.741,
285.658

 20, 13.741,
285.658

 10, 13.741,
285.658

 0, 13.741, 285.658

70, 13.741,
285.658

70, 13.741,
285.658

64, 23.366,
287.087

76, 4.437, 284.446

58, 33.346,
288.766

82, 4.567, 103.341

52, 43.707,
290.721

88, 13.290,
102.454

47, 54.466,
292.968

93, 21.752,
101.675

41, 65.585,
295.485

98, 29.756,
107.118

36, 76.878,
298.181

99, 30.271,
107.876

31, 87.850,
300.870

27, 97.544,

303.272

■ 26, 101.644,
304.245

Harmonies

Complementary

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



70, 13.741, 285.658



77, 13.428, 102.277

Rectangle

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



70, 13.741, 285.658



70, 13.741, 335.658



70, 13.741, 105.658



70, 13.741, 155.658

Sweetspot

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



70, 13.740, 285.654



96, 4.485, 284.360



77, 10.672, 185.929



51, 3.216, 284.441



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 13.740, 285.654



86, 20.624, 286.116



70, 16.388, 304.499



38, 5.165, 284.960



21, 87.197, 303.955



2, 17.585, 287.168

Inverse Universe

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



71, 11.391, 9.418



87, 17.174, 9.795



77, 15.958, 122.885



38, 4.250, 8.839



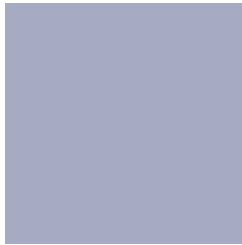
33, 68.132, 33.136



3, 14.145, 11.910

Previews

White Background



This preview shows how the CIELCh color 70, 13.741, 285.658 looks on a white background.

Color Contrast Check

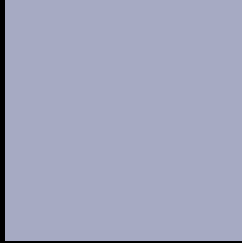
Large Text (above 18pt) WCAG AA × Fail

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 70, 13.741, 285.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

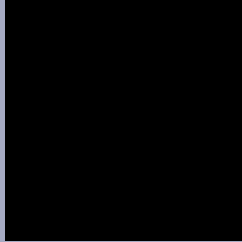
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 13.741, 285.658

Background



This preview shows how black text looks on a background with the CIELCh color 70, 13.741, 285.658.



This preview shows how white text looks on a background with the CIELCh color 70, 13.741, 285.658.

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

70, 13.741, 285.658

Protanopia

70, 13.716, 287.116

Deuteranopia

70, 16.282, 303.077



Tritanopia
70, 7.621, 268.678

Trichromacy



Original Color
70, 13.741, 285.658

Protanomaly
70, 13.716, 287.116

Deuteranomaly
70, 15.451, 296.951

Tritanomaly
70, 10.044, 278.850

Monochromacy



Original Color
70, 13.741, 285.658

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 4.939, 286.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 13.741, 285.658 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, 170, 195)` looks like.

```
.text, #text, p{  
    color:rgb(166, 170, 195)  
}
```

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, 170, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 170, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 13.741, 285.658 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, 170, 195) }
```

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

```
.border{ border-color:rgb(166, 170, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 170, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 170, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 170, 195);  
box-shadow:4px 4px 4px 4px rgb(166, 170,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 13.741, 285.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 170, 195) }
```

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

```
.background{ background-color: rgb(166,  
170, 195) }
```

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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