

Converting Colors

CIELCh(70, 15.960, 283.426)

Have a look what the booklet for
CIELCh(70, 15.960, 283.426)
contains.

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Color

CIELCh(70, 16.018, 283.039)

Conversions

Conversions Part 1

Format	Color
Hex	A3AAC7
RGB	163, 170, 199
RGB Percent	64%, 67%, 78%
CMY	0.3601, 0.3327, 0.2189
CMYK	0.18, 0.15, 0.00, 0.22
HSL	228°, 24%, 71%
HSV	228°, 18%, 78%
XYZ	39.8750, 40.7494, 59.9039
YIQ	171.2130, -13.4810, 7.5350

Conversions

Conversions Part 2

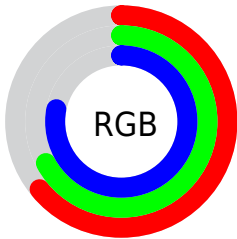
Format	Color
R _{YB}	163, 169, 199
Decimal	10726087
CIE Lab	70.00, 3.61, -15.61
CIE LCh	70, 16.018, 283.039
Yxy	40.7494, 0.2838, 0.2900
Android (android.graphics.Color)	4288916167 (0xFFA3AAC7)
YUV	171.2130, 13.6990, -7.2028
Hunter-Lab	63.8353, -0.2110, -10.9538

Details

The CIELCh color **70, 16.018, 283.039** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **78, 15.690, 98.669**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 15.729, 282.866**, and **50, 15.938, 283.100** is the 20% darker color. If you saturate the color by 10%, you get **64, 25.256, 284.607**, and if you desaturate by 10%, it is **76, 7.057, 281.701**.

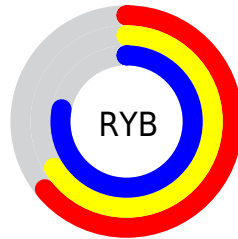
Distribution



Red (64%)

Green (67%)

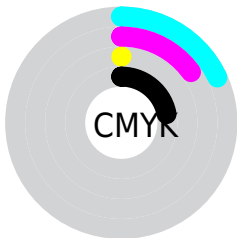
Blue (78%)



Red (64%)

Yellow (66%)

Blue (78%)

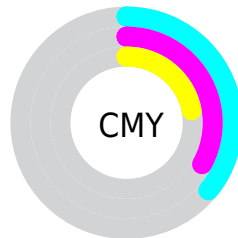


Cyan (18%)

Magenta (15%)

Yellow (0%)

Black (22%)



Cyan (36%)


Magenta (33%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 16.018, 283.039 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, 16.018, 283.039 by changing the saturation by 10% instead.


 70, 16.018,
283.039


 70, 16.018,
283.039


 100, 16.018,
283.039


 60, 16.018,
283.039


 90, 16.018,
283.039

 50, 16.018,
283.039

 40, 16.018,
283.039

 30, 16.018,
283.039

 20, 16.018,
283.039

 10, 16.018,
283.039

 0, 16.018, 283.039

70, 16.018,
283.039

70, 16.018,
283.039

64, 25.256,
284.607

76, 7.057, 281.701

59, 34.800,
286.444

81, 1.645, 100.430

87, 10.104, 99.512

53, 44.678,
288.581

93, 18.333, 98.655

47, 54.912,
291.030

98, 25.980,
104.337

42, 65.485,
293.768

99, 28.145,
108.040

37, 76.258,
296.702

33, 86.846,
299.648

29, 96.491,

302.316

■ 28, 98.170,
302.748

Harmonies

Complementary

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



70, 16.018, 283.039



78, 15.690, 98.669

Rectangle

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



70, 16.018, 283.039



70, 16.018, 333.039



70, 16.018, 103.039



70, 16.018, 153.039

Sweetspot

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



70, 16.017, 283.036



97, 5.320, 281.348



78, 13.429, 181.655



51, 3.632, 281.429



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, 16.017, 283.036



85, 23.972, 283.672



69, 20.244, 302.933



39, 4.957, 281.862



23, 83.640, 302.377



2, 18.619, 286.180

Inverse Universe

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



70, 14.411, 5.442



85, 21.659, 5.957



79, 19.555, 120.767



39, 4.415, 4.476



34, 66.468, 29.309



3, 16.167, 9.433

Previews

White Background



This preview shows how the CIELCh color 70, 16.018, 283.039 looks on a white background.

Color Contrast Check

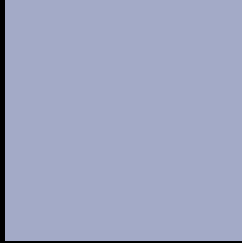
Large Text (above 18pt) WCAG AA × Fail

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 70, 16.018, 283.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

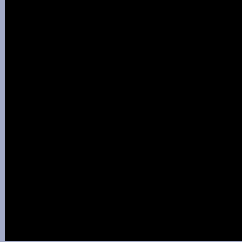
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 16.018, 283.039

Background



This preview shows how black text looks on a background with the CIELCh color 70, 16.018, 283.039.



This preview shows how white text looks on a background with the CIELCh color 70, 16.018, 283.039.

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, 16.018, 283.039

Protanopia

70, 15.916, 286.727

Deuteranopia

70, 18.318, 299.665



Tritanopia
70, 8.535, 263.497

Trichromacy



Original Color
70, 16.018, 283.039

Protanomaly
70, 15.943, 285.489

Deuteranomaly
70, 17.581, 294.187

Tritanomaly
70, 11.337, 274.970

Monochromacy



Original Color
70, 16.018, 283.039

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 5.569, 279.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 16.018, 283.039 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(163, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 199)  
}
```

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(163, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 16.018, 283.039 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(163, 170, 199) }
```

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

```
.border{ border-color:rgb(163, 170, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 170, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 170, 199); box-shadow:4px 4px 4px 4px rgb(163, 170, 199) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 16.018, 283.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 199) }
```

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

```
.background{ background-color: rgb(163,  
170, 199) }
```

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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