

Converting Colors

CIELCh(70, 16.989, 290.682)

Have a look what the booklet for
CIELCh(70, 16.989, 290.682)
contains.

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Color

CIELCh(70, 16.989, 290.682)

Conversions

Conversions Part 1

Format	Color
Hex	A8A9C8
RGB	168, 169, 200
RGB Percent	66%, 66%, 78%
CMY	0.3421, 0.3381, 0.2166
CMYK	0.16, 0.16, 0.00, 0.22
HSL	238°, 22%, 72%
HSV	238°, 16%, 78%
XYZ	40.6425, 40.7494, 60.2215
YIQ	172.2350, -10.5470, 9.4290

Conversions

Conversions Part 2

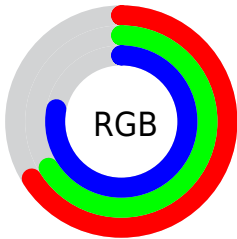
Format	Color
RYB	168, 169, 200
Decimal	11053512
CIELab	70.00, 6.00, -15.89
CIElCh	70, 16.989, 290.682
Yxy	40.7494, 0.2870, 0.2878
Android (android.graphics.Color)	4289243592 (0xFFA8A9C8)
YUV	172.2350, 13.6881, -3.7141
Hunter-Lab	63.8353, 1.9352, -11.2489

Details

The CIELCh color $70, 16.989, 290.682$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $80, 16.417, 107.322$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 16.127, 290.283$, and $50, 16.979, 291.125$ is the 20% darker color. If you saturate the color by 10%, you get $63, 28.153, 292.044$, and if you desaturate by 10%, it is $77, 6.262, 289.527$.

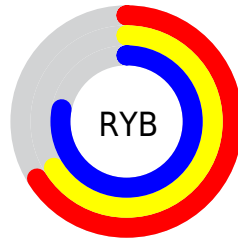
Distribution



Red (66%)

Green (66%)

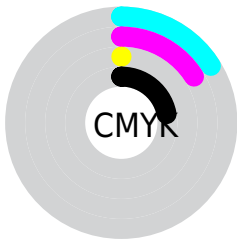
Blue (78%)



Red (66%)

Yellow (66%)

Blue (78%)

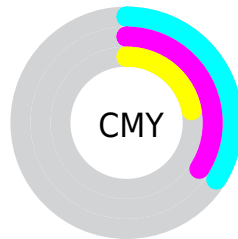


Cyan (16%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (34%)

Magenta (34%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 16.989, 290.682 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, 16.989, 290.682 by changing the saturation by 10% instead.

■ 70, 16.989,
290.682

■ 70, 16.989,
290.682

■ 100, 16.989,
290.682

■ 60, 16.989,
290.682

■ 90, 16.989,
290.682

■ 50, 16.989,
290.682

■ 40, 16.989,
290.682

■ 30, 16.989,
290.682

■ 20, 16.989,
290.682

■ 10, 16.989,
290.682

■ 0, 16.989, 290.682

70, 16.989,
290.682

70, 16.989,
290.682

63, 28.153,
292.044

77, 6.262, 289.527

57, 39.792,
293.645

83, 4.056, 108.510

50, 51.919,
295.502

90, 13.998,
107.683

44, 64.485,
297.607

96, 23.591,
106.966

38, 77.274,
299.890

99, 27.852,
108.062

32, 89.691,
302.185

28, 100.520,
304.205

25, 108.047,

305.617

■ 25, 109.963,
305.945

Harmonies

Complementary

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



70, 16.989, 290.682



80, 16.417, 107.322

Rectangle

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



70, 16.989, 290.682



70, 16.989, 340.682



70, 16.989, 110.682



70, 16.989, 160.682

Sweetspot

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



70, 16.987, 290.680



96, 6.337, 289.429



78, 11.284, 195.685



51, 4.328, 289.503



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, 16.987, 290.680



85, 24.729, 291.100



71, 18.373, 308.654



38, 5.919, 289.892



19, 94.312, 305.849



1, 21.032, 290.953

Inverse Universe

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



72, 12.429, 17.974



87, 18.195, 18.290



79, 17.949, 127.163



39, 4.279, 17.384



34, 73.388, 38.501



3, 15.897, 17.778

Previews

White Background



This preview shows how the CIELCh color 70, 16.989, 290.682 looks on a white background.

Color Contrast Check

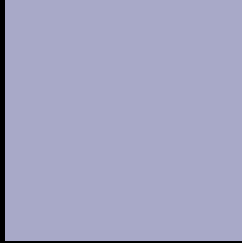
Large Text (above 18pt) WCAG AA × Fail

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, 16.989, 290.682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

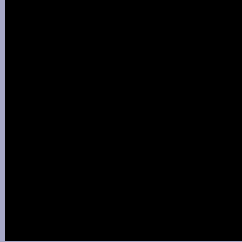
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

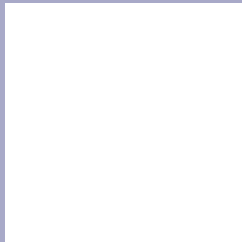
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 16.989, 290.682

Background



This preview shows how black text looks on a background with the CIELCh color 70, 16.989, 290.682.



This preview shows how white text looks on a background with the CIELCh color 70, 16.989, 290.682.

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, 16.989, 290.682

Protanopia

70, 16.486, 285.764

Deuteranopia

70, 18.318, 299.665



Tritanopia
70, 7.927, 275.110

Trichromacy



Original Color
70, 16.989, 290.682

Protanomaly
70, 16.461, 286.959

Deuteranomaly
70, 17.632, 296.462

Tritanomaly
70, 11.025, 283.842

Monochromacy



Original Color
70, 16.989, 290.682

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 6.030, 287.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 16.989, 290.682 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(168, 169, 200)` looks like.

```
.text, #text, p{  
    color:rgb(168, 169, 200)  
}
```

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(168, 169, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 169, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 16.989, 290.682 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(168, 169, 200) }
```

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

```
.border{ border-color:rgb(168, 169, 200) }
```

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

Here you see how a box with a 4 pixel rgb(168, 169, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 169, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 169, 200);  
box-shadow:4px 4px 4px 4px rgb(168, 169,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 16.989, 290.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 169, 200) }
```

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

```
.background{ background-color: rgb(168,  
169, 200) }
```

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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