

Converting Colors

CIELCh(69, 18.343, 298.108)

Have a look what the booklet for
CIELCh(69, 18.343, 298.108)
contains.

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Color

CIELCh(69, 18.270, 297.487)

Conversions

Conversions Part 1

Format	Color
Hex	AAA5C6
RGB	170, 165, 198
RGB Percent	67%, 65%, 78%
CMY	0.3348, 0.3544, 0.2250
CMYK	0.14, 0.17, 0.00, 0.23
HSL	249°, 22%, 71%
HSV	249°, 17%, 77%
XYZ	40.0376, 39.3444, 58.6824
YIQ	170.2570, -7.6130, 11.3230

Conversions

Conversions Part 2

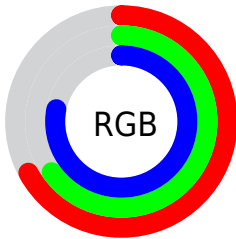
Format	Color
RYB	170, 165, 198
Decimal	11183558
CIELab	69.00, 8.43, -16.21
CIELCh	69, 18.270, 297.487
Yxy	39.3444, 0.2900, 0.2850
Android (android.graphics.Color)	4289373638 (0xFFAAA5C6)
YUV	170.2570, 13.6773, -0.2254
Hunter-Lab	62.7251, 4.1681, -11.5611

Details

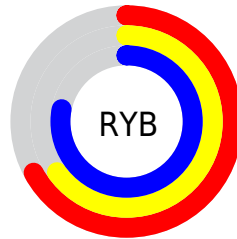
The CIELCh color $69, 18.270, 297.487$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $79, 17.613, 114.881$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 18.368, 296.920$, and $49, 18.369, 298.248$ is the 20% darker color. If you saturate the color by 10%, you get $63, 29.794, 298.484$, and if you desaturate by 10%, it is $75, 7.186, 296.623$.

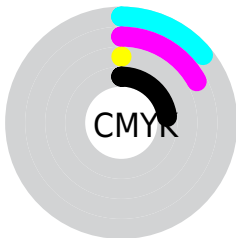
Distribution



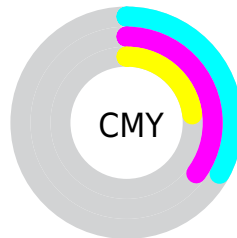
- Red (67%)
- Green (65%)
- Blue (78%)



- Red (67%)
- Yellow (65%)
- Blue (78%)



- Cyan (14%)
- Magenta (17%)
- Yellow (0%)
- Black (23%)



- Cyan (33%)
- Magenta (35%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 18.270, 297.487 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 69, 18.270, 297.487 by changing the saturation by 10% instead.

 69, 18.270,
297.487


 69, 18.270,
297.487

 100, 18.270,
297.487

 59, 18.270,
297.487

 89, 18.270,
297.487

 49, 18.270,
297.487

 99, 18.270,
297.487

 39, 18.270,
297.487

 29, 18.270,
297.487

 19, 18.270,
297.487

 9, 18.270, 297.487

 0, 18.270, 297.487

69, 18.270,
297.487

69, 18.270,
297.487

63, 29.794,
298.484

75, 7.186, 296.623

56, 41.770,
299.629

82, 3.473, 115.878

88, 13.736,
115.243

50, 54.161,
300.920

95, 23.629,
114.697

44, 66.837,
302.331

99, 28.929,
109.115

38, 79.465,
303.792

99, 28.919,
107.980

32, 91.338,
305.160

28, 101.231,
306.215

25, 107.714,

306.728

■ 25, 109.424,
306.872

Harmonies

Complementary

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



69, 18.270, 297.487



79, 17.613, 114.881

Rectangle

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



69, 18.270, 297.487



69, 18.270, 347.487



69, 18.270, 117.487



69, 18.270, 167.487

Sweetspot

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



69, 18.268, 297.485



96, 6.588, 296.496



76, 10.120, 214.052



51, 4.500, 296.552



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 18.268, 297.485



84, 27.115, 297.829



70, 19.731, 314.823



38, 6.153, 296.843



19, 94.826, 306.949



1, 21.611, 295.733

Inverse Universe

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



71, 19.542, 329.876



88, 28.832, 330.101



77, 19.435, 133.410



39, 6.650, 329.420



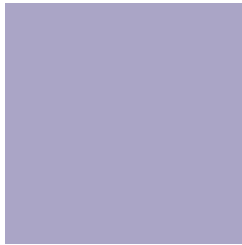
37, 73.600, 335.265



4, 23.438, 332.735

Previews

White Background



This preview shows how the CIELCh color 69, 18.270, 297.487 looks on a white background.

Color Contrast Check

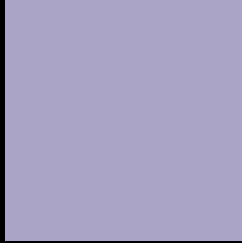
Large Text (above 18pt) WCAG AA × Fail

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 69, 18.270, 297.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

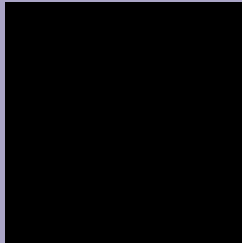
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 18.270, 297.487

Background



This preview shows how black text looks on a background with the CIELCh color 69, 18.270, 297.487.



This preview shows how white text looks on a background with the CIELCh color 69, 18.270, 297.487.

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

69, 18.270, 297.487

Protanopia

69, 17.629, 286.309

Deuteranopia

69, 18.921, 299.495



Tritanopia
69, 7.146, 287.976

Trichromacy



Original Color
69, 18.270, 297.487

Protanomaly
69, 17.594, 290.803

Deuteranomaly
69, 18.921, 299.495

Tritanomaly
69, 11.005, 293.158

Monochromacy



Original Color
69, 18.270, 297.487

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 6.644, 297.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 18.270, 297.487 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(170, 165, 198)` looks like.

```
.text, #text, p{  
    color:rgb(170, 165, 198)  
}
```

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(170, 165, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 165, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 18.270, 297.487 is called "border". The border property can be set on classes, ids or directly on the HTML element.

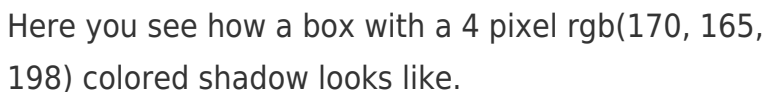
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 165, 198) }
```

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

```
.border{ border-color:rgb(170, 165, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 165, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 165, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 165, 198); box-shadow:4px 4px 4px 4px rgb(170, 165, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 18.270, 297.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 165, 198) }
```

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

```
.background{ background-color: rgb(170,  
165, 198) }
```

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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