

Converting Colors

CIELCh(69, 18.700, 290.994)

Have a look what the booklet for
CIELCh(69, 18.700, 290.994)
contains.

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Color

CIELCh(69, 18.690, 290.981)

Conversions

Conversions Part 1

Format	Color
Hex	A5A6C8
RGB	165, 166, 200
RGB Percent	65%, 65%, 78%
CMY	0.3537, 0.3497, 0.2164
CMYK	0.18, 0.17, 0.00, 0.22
HSL	238°, 24%, 71%
HSV	238°, 18%, 78%
XYZ	39.4825, 39.3444, 60.0374
YIQ	169.5770, -11.5100, 10.3620

Conversions

Conversions Part 2

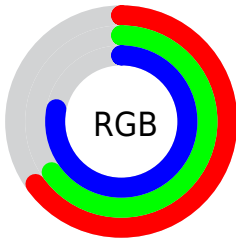
Format	Color
RYB	165, 166, 200
Decimal	10856136
CIELab	69.00, 6.69, -17.45
CIELCh	69, 18.690, 290.981
Yxy	39.3444, 0.2843, 0.2833
Android (android.graphics.Color)	4289046216 (0xFFA5A6C8)
YUV	169.5770, 14.9985, -4.0140
Hunter-Lab	62.7251, 2.5883, -12.8419

Details

The CIELCh color $69, 18.690, 290.981$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $79, 17.998, 107.289$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 17.730, 290.535$, and $49, 18.814, 291.521$ is the 20% darker color. If you saturate the color by 10%, you get $62, 29.959, 292.375$, and if you desaturate by 10%, it is $76, 7.866, 289.797$.

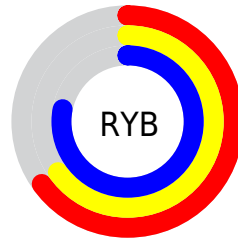
Distribution



Red (65%)

Green (65%)

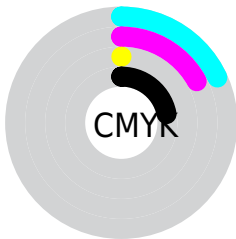
Blue (78%)



Red (65%)

Yellow (65%)

Blue (78%)

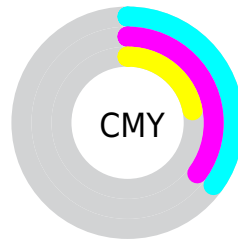


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (22%)



Cyan (35%)

Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 18.690, 290.981 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, 18.690, 290.981 by changing the saturation by 10% instead.

69, 18.690,
290.981

69, 18.690,
290.981

100, 18.690,
290.981

59, 18.690,
290.981

89, 18.690,
290.981

49, 18.690,
290.981

99, 18.690,
290.981

39, 18.690,
290.981

29, 18.690,
290.981

19, 18.690,
290.981

9, 18.690, 290.981

0, 18.690, 290.981

69, 18.690,
290.981

69, 18.690,
290.981

62, 29.959,
292.375

76, 7.866, 289.797

56, 41.709,
294.011

82, 2.541, 108.750

49, 53.948,
295.903

89, 12.567,
107.915

43, 66.607,
298.037

95, 22.237,
107.183

37, 79.422,
300.328

99, 27.831,
108.064

32, 91.705,
302.589

28, 102.119,
304.519

25, 108.946,

305.782

■ 25, 110.097,
305.974

Harmonies

Complementary

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



69, 18.690, 290.981



79, 17.998, 107.289

Rectangle

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



69, 18.690, 290.981



69, 18.690, 340.981



69, 18.690, 110.981



69, 18.690, 160.981

Sweetspot

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



69, 18.688, 290.979



96, 6.355, 289.541



78, 12.291, 195.590



51, 4.341, 289.614



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, 18.688, 290.979



83, 27.523, 291.481



70, 20.139, 308.732



38, 5.935, 290.002



19, 94.440, 305.886



1, 21.073, 291.022

Inverse Universe

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



71, 13.671, 18.330



86, 20.263, 18.708



78, 19.632, 127.090



39, 4.278, 17.602



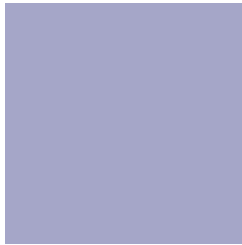
34, 73.494, 38.613



3, 15.896, 17.917

Previews

White Background



This preview shows how the CIELCh color 69, 18.690, 290.981 looks on a white background.

Color Contrast Check

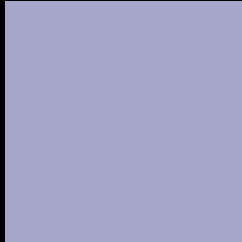
Large Text (above 18pt) WCAG AA × Fail

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, 18.690, 290.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

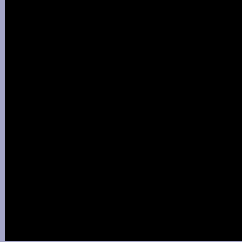
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 18.690, 290.981

Background



This preview shows how black text looks on a background with the CIELCh color 69, 18.690, 290.981.



This preview shows how white text looks on a background with the CIELCh color 69, 18.690, 290.981.

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

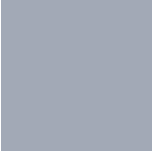
69, 18.690, 290.981

Protanopia

69, 18.203, 285.476

Deuteranopia

69, 19.930, 297.158



Tritanopia
69, 7.524, 271.247

Trichromacy



Original Color
69, 18.690, 290.981

Protanomaly
69, 18.174, 286.546

Deuteranomaly
69, 19.284, 294.160

Tritanomaly
69, 11.093, 282.039

Monochromacy



Original Color
69, 18.690, 290.981

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 6.598, 287.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 18.690, 290.981 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(165, 166, 200)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 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(165, 166, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 18.690, 290.981 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(165, 166, 200) }
```

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

```
.border{ border-color:rgb(165, 166, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 200);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 18.690, 290.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 200) }
```

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

```
.background{ background-color: rgb(165,  
166, 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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