

Converting Colors

CIE LCh(69, 14.158, 291.603)

Have a look what the booklet for
CIELCh(69, 14.158, 291.603)
contains.

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Color

CIELCh(69, 14.303, 291.615)

Conversions

Conversions Part 1

Format	Color
Hex	A6A6C0
RGB	166, 166, 192
RGB Percent	65%, 65%, 75%
CMY	0.3478, 0.3478, 0.2458
CMYK	0.14, 0.14, 0.00, 0.25
HSL	240°, 17%, 70%
HSV	240°, 14%, 75%
XYZ	39.0323, 39.3444, 55.5903
YIQ	168.9640, -8.3460, 8.0860

Conversions

Conversions Part 2

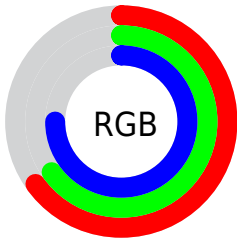
Format	Color
R _Y B	166, 166, 192
Decimal	10921664
CIE Lab	69.00, 5.27, -13.30
CIE LCh	69, 14.303, 291.615
Yxy	39.3444, 0.2914, 0.2937
Android (android.graphics.Color)	4289111744 (0xFFA6A6C0)
YUV	168.9640, 11.3567, -2.5994
Hunter-Lab	62.7251, 1.3072, -8.6384

Details

The CIELCh color $69, 14.303, 291.615$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $77, 13.870, 108.880$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 14.086, 291.328$, and $49, 14.713, 292.101$ is the 20% darker color. If you saturate the color by 10%, you get $62, 25.390, 292.893$, and if you desaturate by 10%, it is $76, 3.659, 290.537$.

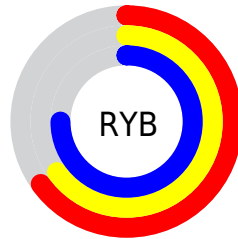
Distribution



Red (65%)

Green (65%)

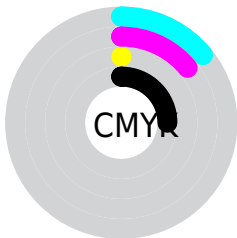
Blue (75%)



Red (65%)

Yellow (65%)

Blue (75%)

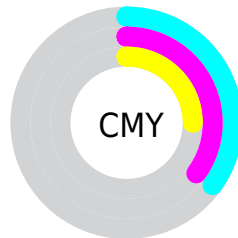


Cyan (14%)

Magenta (14%)

Yellow (0%)

Black (25%)



Cyan (35%)


Magenta (35%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 14.303, 291.615 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, 14.303, 291.615 by changing the saturation by 10% instead.


 69, 14.303,
291.615


 69, 14.303,
291.615


 100, 14.303,
291.615


 59, 14.303,
291.615


 89, 14.303,
291.615

 49, 14.303,
291.615

 99, 14.303,
291.615

 39, 14.303,
291.615

 29, 14.303,
291.615

 19, 14.303,
291.615

 9, 14.303, 291.615

 0, 14.303, 291.615

69, 14.303,
291.615

69, 14.303,
291.615

62, 25.390,
292.893

76, 3.659, 290.537

56, 36.958,
294.399

82, 6.571, 109.587

49, 49.019,
296.151

88, 16.420,
108.807

43, 61.527,
298.142

95, 25.915,
108.137

37, 74.271,
300.310

99, 31.559,
107.777

32, 86.671,
302.496

27, 97.514,
304.418

24, 105.043,

305.737

■ 23, 108.228,
306.287

Harmonies

Complementary

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



69, 14.303, 291.615



77, 13.870, 108.880

Rectangle

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



69, 14.303, 291.615



69, 14.303, 341.615



69, 14.303, 111.615



69, 14.303, 161.615

Sweetspot

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



69, 14.301, 291.612



95, 5.142, 290.589



76, 9.277, 197.291



50, 3.658, 290.663



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



69, 14.301, 291.612



85, 21.046, 291.941



70, 15.034, 309.100



37, 5.984, 291.140



18, 94.722, 306.287



1, 19.479, 291.134

Inverse Universe

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



70, 10.090, 20.250



87, 14.926, 20.480



76, 14.749, 127.883



38, 4.188, 19.918



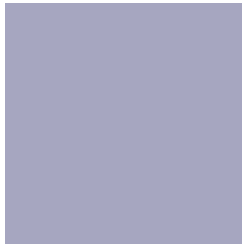
33, 73.727, 39.723



3, 13.999, 19.404

Previews

White Background



This preview shows how the CIELCh color 69, 14.303, 291.615 looks on a white background.

Color Contrast Check

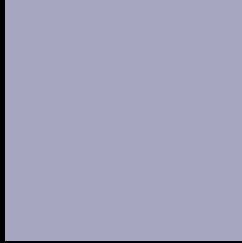
Large Text (above 18pt) WCAG AA × Fail

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, 14.303, 291.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

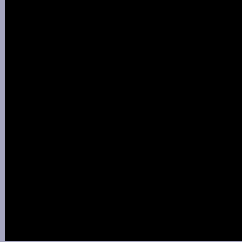
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

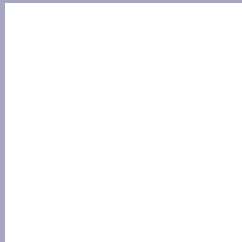
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 14.303, 291.615

Background



This preview shows how black text looks on a background with the CIELCh color 69, 14.303, 291.615.



This preview shows how white text looks on a background with the CIELCh color 69, 14.303, 291.615.

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

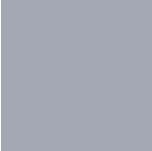
69, 14.303, 291.615

Protanopia

69, 14.308, 287.376

Deuteranopia

69, 16.335, 303.091



Tritanopia
69, 7.264, 279.361

Trichromacy



Original Color
69, 14.303, 291.615

Protanomaly
69, 14.292, 288.781

Deuteranomaly
69, 15.590, 299.580

Tritanomaly
69, 9.910, 287.012

Monochromacy



Original Color
69, 14.303, 291.615

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 4.947, 290.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 14.303, 291.615 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, 166, 192)` looks like.

```
.text, #text, p{  
    color:rgb(166, 166, 192)  
}
```

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, 166, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 166, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 14.303, 291.615 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, 166, 192) }
```

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

```
.border{ border-color:rgb(166, 166, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 166, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 166, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 166, 192);  
box-shadow:4px 4px 4px 4px rgb(166, 166,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 14.303, 291.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 166, 192) }
```

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

```
.background{ background-color: rgb(166,  
166, 192) }
```

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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