

Converting Colors

CIELCh(70, 14.624, 311.908)

Have a look what the booklet for
CIELCh(70, 14.624, 311.908)
contains.

| | |
|--|----|
| CIELCh(70, 14.688, 311.690) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 24 |
| <i>CSS Examples</i> | 27 |

Color

CIELCh(70, 14.688, 311.690)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B4A6BF |
| RGB | 180, 166, 191 |
| RGB Percent | 71%, 65%, 75% |
| CMY | 0.2940, 0.3489, 0.2509 |
| CMYK | 0.06, 0.13, 0.00, 0.25 |
| HSL | 274°, 16%, 70% |
| HSV | 274°, 13%, 75% |
| XYZ | 41.8746, 40.7494, 54.9618 |
| YIQ | 173.0360, 0.3190, 10.7430 |

Conversions

Conversions Part 2

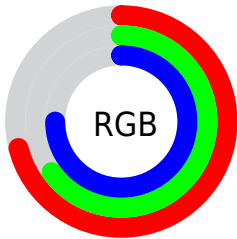
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 180, 166, 191 |
| Decimal | 11839167 |
| CIE Lab | 70.00, 9.77, -10.97 |
| CIE LCh | 70, 14.688, 311.690 |
| Yxy | 40.7494, 0.3044, 0.2962 |
| Android (android.graphics.Color) | 4290029247 (0xFFB4A6BF) |
| YUV | 173.0360, 8.8563, 6.1074 |
| Hunter-Lab | 63.8353, 5.3806, -6.3637 |

Details

The CIELCh color **70, 14.688, 311.690** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76, 14.459, 130.583**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 14.566, 312.149**, and **50, 14.987, 311.253** is the 20% darker color. If you saturate the color by 10%, you get **64, 26.226, 312.157**, and if you desaturate by 10%, it is **76, 3.423, 311.224**.

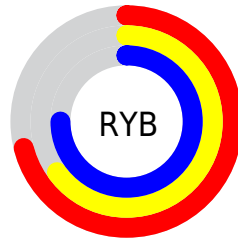
Distribution



Red (71%)

Green (65%)

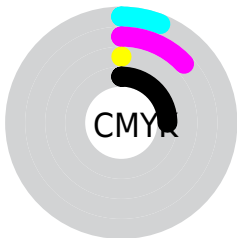
Blue (75%)



Red (71%)

Yellow (65%)

Blue (75%)

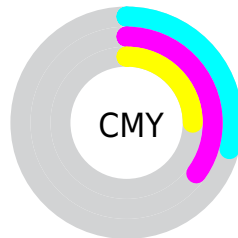


Cyan (6%)

Magenta (13%)

Yellow (0%)

Black (25%)



Cyan (29%)


Magenta (35%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 14.688, 311.690 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, 14.688, 311.690 by changing the saturation by 10% instead.


 70, 14.688,
311.690


 70, 14.688,
311.690


 100, 14.688,
311.690


 60, 14.688,
311.690


 90, 14.688,
311.690

 50, 14.688,
311.690

 40, 14.688,
311.690

 30, 14.688,
311.690

 20, 14.688,
311.690

 10, 14.688,
311.690

 0, 14.688, 311.690

70, 14.688,
311.690

70, 14.688,
311.690

64, 26.226,
312.157

76, 3.423, 311.224

59, 37.968,
312.643

81, 7.529, 130.883

54, 49.775,
313.126

87, 18.155,
130.512

48, 61.411,
313.575

92, 28.458,
130.188

44, 72.502,
313.940

96, 34.653,
128.432

39, 82.498,
314.150

97, 33.615,
123.599


36, 90.698,
314.113


97, 32.838,
118.406

33, 96.407,

98, 32.358,
112.928

313.733

 99, 32.202,
107.727

 32, 99.153,
313.321

Harmonies

Complementary

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



70, 14.688, 311.690



76, 14.459, 130.583

Rectangle

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



70, 14.688, 311.690



70, 14.688, 1.690



70, 14.688, 131.690



70, 14.688, 181.690

Sweetspot

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



70, 14.686, 311.689



95, 5.477, 311.275



72, 8.410, 262.453



50, 3.927, 311.312



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 14.686, 311.689



86, 22.239, 311.835



71, 15.964, 326.521



37, 6.267, 311.518



25, 86.084, 313.480



2, 18.275, 307.112

Inverse Universe

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



71, 11.226, 348.146



87, 17.000, 348.462



75, 15.942, 145.024



37, 4.789, 347.780



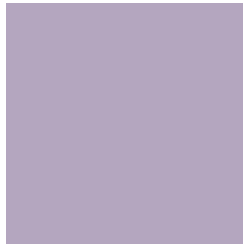
33, 59.064, 7.138



3, 13.527, 355.087

Previews

White Background



This preview shows how the CIELCh color 70, 14.688, 311.690 looks on a white background.

Color Contrast Check

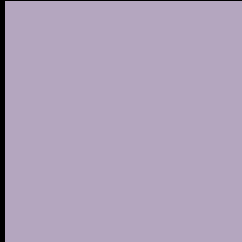
Large Text (above 18pt) WCAG AA × Fail

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 70, 14.688, 311.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

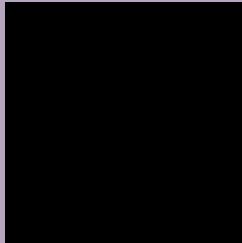
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 14.688, 311.690

Background



This preview shows how black text looks on a background with the CIELCh color 70, 14.688, 311.690.



This preview shows how white text looks on a background with the CIELCh color 70, 14.688, 311.690.

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, 14.688, 311.690

Protanopia

70, 12.608, 288.204

Deuteranopia

70, 13.918, 309.626



Tritanopia
70, 8.073, 318.165

Trichromacy



Original Color
70, 14.688, 311.690

Protanomaly
70, 12.673, 296.283

Deuteranomaly
70, 13.918, 309.626

Tritanomaly
70, 10.863, 315.055

Monochromacy



Original Color
70, 14.688, 311.690

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 5.940, 312.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 14.688, 311.690 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(180, 166, 191)` looks like.

```
.text, #text, p{  
    color:rgb(180, 166, 191)  
}
```

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(180, 166, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 166, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 14.688, 311.690 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(180, 166, 191) }
```

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

```
.border{ border-color:rgb(180, 166, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 166, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 166, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 166, 191);  
box-shadow:4px 4px 4px 4px rgb(180, 166,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 14.688, 311.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 166, 191) }
```

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

```
.background{ background-color: rgb(180,  
166, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor