

Converting Colors

CIELCh(70, 24.067, 306.020)

Have a look what the booklet for
CIELCh(70, 24.067, 306.020)
contains.

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Color

CIELCh(70, 23.812, 305.932)

Conversions

Conversions Part 1

Format	Color
Hex	B4A4CE
RGB	180, 164, 206
RGB Percent	71%, 64%, 81%
CMY	0.2938, 0.3566, 0.1919
CMYK	0.13, 0.20, 0.00, 0.19
HSL	263°, 30%, 73%
HSV	263°, 20%, 81%
XYZ	43.2783, 40.7494, 64.0260
YIQ	173.5720, -3.9460, 16.4540

Conversions

Conversions Part 2

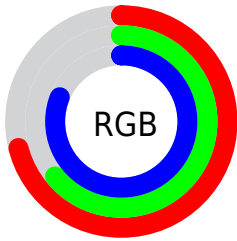
Format	Color
R _Y B	180, 164, 206
Decimal	11838670
CIE Lab	70.00, 13.97, -19.28
CIE LCh	70, 23.812, 305.932
Yxy	40.7494, 0.2923, 0.2752
Android (android.graphics.Color)	4290028750 (0xFFB4A4CE)
YUV	173.5720, 15.9870, 5.6374
Hunter-Lab	63.8353, 9.3056, -14.7824

Details

The CIELCh color `70, 23.812, 305.932` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `81, 22.991, 123.763`, and the grayscale version is `71, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 19.718, 308.758`, and `50, 24.176, 306.070` is the 20% darker color. If you saturate the color by 10%, you get `64, 36.046, 306.582`, and if you desaturate by 10%, it is `76, 11.934, 305.340`.

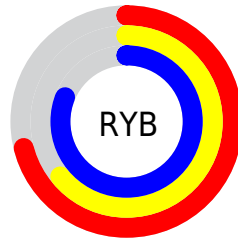
Distribution



Red (71%)

Green (64%)

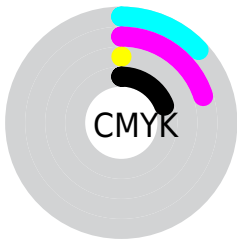
Blue (81%)



Red (71%)

Yellow (64%)

Blue (81%)

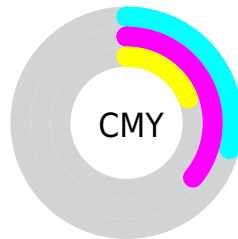


Cyan (13%)

Magenta (20%)

Yellow (0%)

Black (19%)



Cyan (29%)


Magenta (36%)


Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 23.812, 305.932 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, 23.812, 305.932 by changing the saturation by 10% instead.


 70, 23.812,
305.932


 70, 23.812,
305.932


 100, 23.812,
305.932


 60, 23.812,
305.932


 90, 23.812,
305.932

 50, 23.812,
305.932

 40, 23.812,
305.932

 30, 23.812,
305.932

 20, 23.812,
305.932

 10, 23.812,
305.932

 0, 23.812, 305.932

70, 23.812,
305.932

70, 23.812,
305.932

64, 36.046,
306.582

76, 11.934,
305.340

58, 48.574,
307.284

83, 0.440, 304.644

52, 61.248,
308.013

89, 10.671,
124.371

46, 73.783,
308.725

95, 21.410,
123.965

40, 85.673,
309.341

98, 25.086,
117.794

36, 96.114,
309.743

99, 24.695,
108.305

32, 104.069,
309.781

30, 109.047,

309.458

Harmonies

Complementary

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



70, 23.812, 305.932



81, 22.991, 123.763

Rectangle

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



70, 23.812, 305.932



70, 23.812, 355.932



70, 23.812, 125.932



70, 23.812, 175.932

Sweetspot

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



70, 23.810, 305.931



96, 8.145, 305.103



76, 12.151, 242.173



50, 5.408, 305.139



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, 23.810, 305.931



82, 33.536, 306.179



72, 26.406, 321.713



40, 6.457, 305.285



23, 92.572, 309.620



2, 24.088, 302.539

Inverse Universe

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



72, 21.063, 339.308



85, 29.533, 339.644



79, 26.241, 139.680



40, 5.767, 338.409



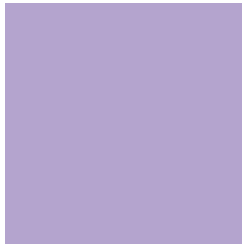
36, 63.962, 351.017



4, 21.393, 345.900

Previews

White Background



This preview shows how the CIELCh color 70, 23.812, 305.932 looks on a white background.

Color Contrast Check

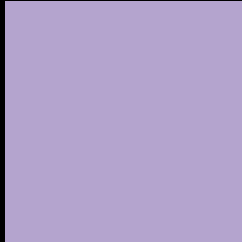
Large Text (above 18pt) WCAG AA × Fail

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, 23.812, 305.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

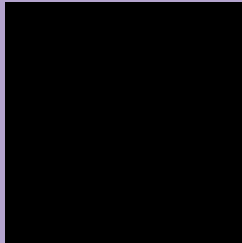
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 23.812, 305.932

Background



This preview shows how black text looks on a background with the CIELCh color 70, 23.812, 305.932.



This preview shows how white text looks on a background with the CIELCh color 70, 23.812, 305.932.

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, 23.812, 305.932

Protanopia

70, 22.532, 286.398

Deuteranopia

70, 20.926, 296.007



Tritanopia
70, 8.264, 311.829

Trichromacy



Original Color
70, 23.812, 305.932

Protanomaly
70, 23.070, 294.129

Deuteranomaly
70, 21.639, 299.629

Tritanomaly
70, 13.706, 306.726

Monochromacy



Original Color
70, 23.812, 305.932

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 9.063, 305.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 23.812, 305.932 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, 164, 206)` looks like.

```
.text, #text, p{  
    color:rgb(180, 164, 206)  
}
```

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, 164, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 164, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 23.812, 305.932 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, 164, 206) }
```

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

```
.border{ border-color:rgb(180, 164, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 164, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 164, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 164, 206);  
box-shadow:4px 4px 4px 4px rgb(180, 164,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 23.812, 305.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 164, 206) }
```

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

```
.background{ background-color: rgb(180,  
164, 206) }
```

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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