

Converting Colors

CIELCh(70, 32.815, 303.714)

Have a look what the booklet for
CIELCh(70, 32.815, 303.714)
contains.

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Color

CIELCh(70, 33.052, 303.759)

Conversions

Conversions Part 1

Format	Color
Hex	B4A2DD
RGB	180, 162, 221
RGB Percent	71%, 64%, 87%
CMY	0.2942, 0.3648, 0.1334
CMYK	0.19, 0.27, 0.00, 0.13
HSL	258°, 46%, 75%
HSV	258°, 27%, 87%
XYZ	44.7782, 40.7494, 73.8909
YIQ	174.1080, -8.2110, 22.1650

Conversions

Conversions Part 2

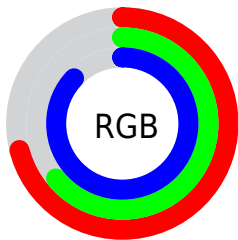
Format	Color
RYB	180, 162, 221
Decimal	11838173
CIELab	70.00, 18.37, -27.48
CIELCh	70, 33.052, 303.759
Yxy	40.7494, 0.2809, 0.2556
Android (android.graphics.Color)	4290028253 (0xFFB4A2DD)
YUV	174.1080, 23.1178, 5.1673
Hunter-Lab	63.8353, 13.4999, -23.9450

Details

The CIELCh color **70, 33.052, 303.759** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **86, 31.356, 120.453**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 20.946, 309.753**, and **50, 33.391, 303.631** is the 20% darker color. If you saturate the color by 10%, you get **63, 46.188, 304.574**, and if you desaturate by 10%, it is **77, 20.314, 303.025**.

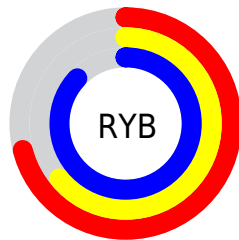
Distribution



Red (71%)

Green (64%)

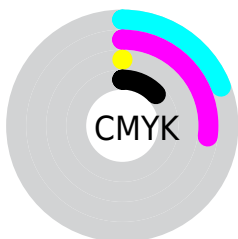
Blue (87%)



Red (71%)

Yellow (64%)

Blue (87%)

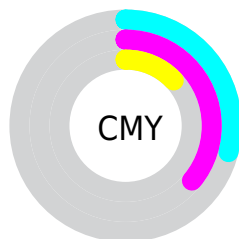


Cyan (19%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (29%)


Magenta (36%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 33.052, 303.759 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, 33.052, 303.759 by changing the saturation by 10% instead.


 70, 33.052,
303.759


 70, 33.052,
303.759


 100, 33.052,
303.759


 60, 33.052,
303.759


 90, 33.052,
303.759

 50, 33.052,
303.759

 40, 33.052,
303.759

 30, 33.052,
303.759

 20, 33.052,
303.759

 10, 33.052,
303.759

 0, 33.052, 303.759

70, 33.052,
303.759

70, 33.052,
303.759

63, 46.188,
304.574

77, 20.314,
303.025

57, 59.637,
305.458

84, 8.010, 302.374

90, 3.863, 121.828

50, 73.186,
306.377

97, 15.318,
121.325

44, 86.412,
307.262

99, 17.210,
108.876

39, 98.556,
307.996

34, 108.470,
308.414

31, 114.937,
308.345

30, 116.602,

Harmonies

Complementary

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



70, 33.052, 303.759



86, 31.356, 120.453

Rectangle

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



70, 33.052, 303.759



70, 33.052, 353.759



70, 33.052, 123.759



70, 33.052, 173.759

Sweetspot

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



70, 33.050, 303.759



94, 10.769, 302.458



79, 16.341, 234.109



49, 7.673, 302.554



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, 33.050, 303.759



76, 44.913, 304.202



73, 36.077, 319.996



42, 6.777, 302.544



23, 97.112, 308.435



3, 30.203, 302.562

Inverse Universe

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



73, 30.816, 336.416



80, 41.448, 336.866



84, 35.636, 137.428



43, 6.461, 335.106



38, 68.970, 345.157



6, 27.932, 341.542

Previews

White Background



This preview shows how the CIELCh color 70, 33.052, 303.759 looks on a white background.

Color Contrast Check

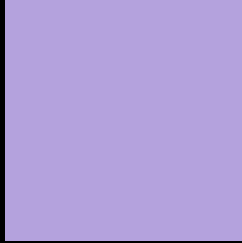
Large Text (above 18pt) WCAG AA × Fail

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, 33.052, 303.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

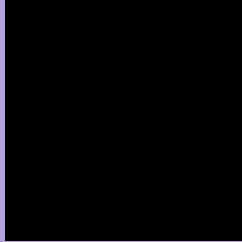
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 33.052, 303.759

Background



This preview shows how black text looks on a background with the CIELCh color 70, 33.052, 303.759.




This preview shows how white text looks on a background with the CIELCh color 70, 33.052, 303.759.

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





Tritanopia
70, 7.839, 301.714

Trichromacy



Original Color
70, 33.052, 303.759

Protanomaly
70, 31.808, 292.108

Deuteranomaly
70, 29.659, 294.968

Tritanomaly
70, 17.444, 303.577

Monochromacy



Original Color
70, 33.052, 303.759

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 11.732, 301.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 33.052, 303.759 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, 162, 221)` looks like.

```
.text, #text, p{  
    color:rgb(180, 162, 221)  
}
```

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, 162, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 162, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 33.052, 303.759 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, 162, 221) }
```

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

```
.border{ border-color:rgb(180, 162, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 162, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 162, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 162, 221);  
box-shadow:4px 4px 4px 4px rgb(180, 162,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 33.052, 303.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 162, 221) }
```

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

```
.background{ background-color: rgb(180,  
162, 221) }
```

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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