

Converting Colors

CIELCh(72, 2.681, 342.579)

Have a look what the booklet for
CIELCh(72, 2.681, 342.579) contains.

CIELCh(72, 2.797, 343.783)	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(72, 2.797, 343.783)

Conversions

Conversions Part 1

Format	Color
Hex	B5AFB2
RGB	181, 175, 178
RGB Percent	71%, 69%, 70%
CMY	0.2905, 0.3140, 0.3022
CMYK	0.00, 0.03, 0.02, 0.29
HSL	330°, 4%, 70%
HSV	330°, 3%, 71%
XYZ	42.3843, 43.6590, 48.2753
YIQ	177.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

Format	Color
RYB	181, 175, 178
Decimal	11906994
CIELab	72.00, 2.69, -0.78
CIELCh	72, 2.797, 343.783
Yxy	43.6590, 0.3156, 0.3250
Android (android.graphics.Color)	4290097074 (0xFFB5AFB2)
YUV	177.1360, 0.4260, 3.3887
Hunter-Lab	66.0750, -1.1310, 2.9344

Details

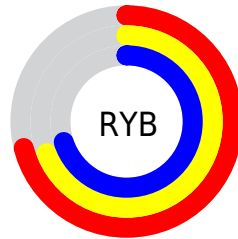
The CIELCh color $72, 2.797, 343.783$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $73, 2.772, 163.533$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 2.658, 343.685$, and $52, 2.326, 349.609$ is the 20% darker color. If you saturate the color by 10%, you get $67, 11.356, 344.752$, and if you desaturate by 10%, it is $77, 5.535, 163.223$.

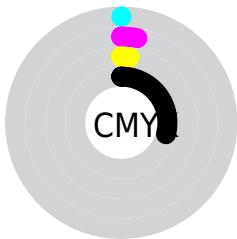
Distribution



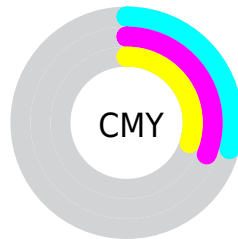
- Red (71%)
- Green (69%)
- Blue (70%)



- Red (71%)
- Yellow (69%)
- Blue (70%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (29%)



- Cyan (29%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 2.797, 343.783 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 72, 2.797, 343.783 by changing the saturation by 10% instead.

■ 72, 2.797, 343.783

■ 72, 2.797, 343.783

■ 100, 2.797,
343.783

■ 62, 2.797, 343.783

■ 92, 2.797, 343.783

■ 52, 2.797, 343.783

■ 42, 2.797, 343.783

■ 32, 2.797, 343.783

■ 22, 2.797, 343.783

■ 12, 2.797, 343.783

■ 2, 2.797, 343.783

■ 0, 2.797, 343.783

■ 72, 2.797, 343.783

■ 72, 2.797, 343.783

67, 11.356,
344.752

77, 5.535, 163.223

62, 20.070,
345.716

82, 13.595,
162.471

58, 28.802,
346.792

87, 21.373,
161.806

53, 37.340,
348.022

92, 28.871,
161.195

49, 45.376,
349.463

95, 30.272,
164.813

46, 52.516,
351.194

95, 27.635,
172.566

43, 58.320,
353.325

95, 25.539,
181.719

41, 62.410,
356.001

95, 24.133,
192.181

39, 64.644,

95, 23.724,
197.955

359.380

Harmonies

Complementary

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



72, 2.797, 343.783



73, 2.772, 163.533

Rectangle

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



72, 2.797, 343.783



72, 2.797, 33.783



72, 2.797, 163.783



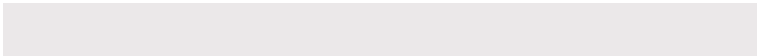
72, 2.797, 213.783

Sweetspot

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



72, 2.795, 343.796



92, 1.043, 343.308



72, 3.471, 309.179



49, 0.593, 343.279



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 2.795, 343.796



90, 4.169, 343.883



72, 2.261, 19.376



37, 2.365, 343.945



32, 57.947, 1.338



2, 10.603, 349.876

Inverse Universe

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



72, 2.795, 343.796



90, 4.169, 343.883



73, 2.214, 199.455



37, 2.365, 343.945



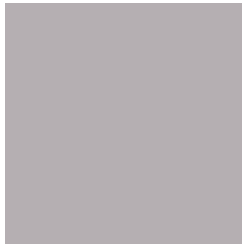
32, 57.947, 1.338



2, 10.603, 349.876

Previews

White Background



This preview shows how the CIELCh color 72, 2.797, 343.783 looks on a white background.

Color Contrast Check

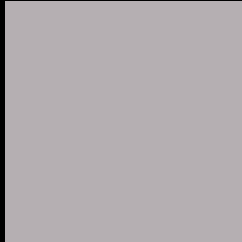
Large Text (above 18pt) WCAG AA × Fail

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 72, 2.797, 343.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

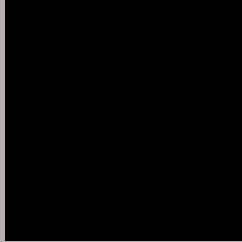
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

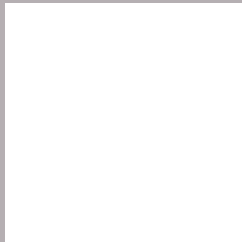
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 2.797, 343.783

Background



This preview shows how black text looks on a background with the CIELCh color 72, 2.797, 343.783.

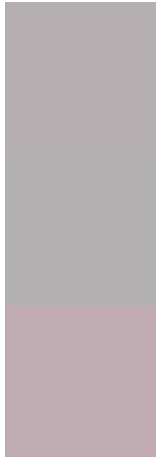


This preview shows how white text looks on a background with the CIELCh color 72, 2.797, 343.783.

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


72, 2.797, 343.783

Protanopia

72, 1.578, 335.577

Deuteranopia

72, 9.065, 351.561



Tritanopia
72, 8.361, 314.185

Trichromacy



Original Color
72, 2.797, 343.783

Protanomaly
72, 1.866, 343.628

Deuteranomaly
72, 7.150, 347.847

Tritanomaly
72, 6.236, 319.016

Monochromacy



Original Color
72, 2.797, 343.783

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 0.936, 343.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 2.797, 343.783 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(181, 175, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 175, 178)  
}
```

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(181, 175, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 175, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 2.797, 343.783 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(181, 175, 178) }
```

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

```
.border{ border-color:rgb(181, 175, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 175, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 175, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 175, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 175,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 2.797, 343.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 175, 178) }
```

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

```
.background{ background-color: rgb(181,  
175, 178) }
```

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