

Converting Colors

CIELCh(63, 41.621, 321.743)

Have a look what the booklet for
CIELCh(63, 41.621, 321.743)
contains.

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Color

CIELCh(63, 41.659, 321.750)

Conversions

Conversions Part 1

Format	Color
Hex	BD85C7
RGB	189, 133, 199
RGB Percent	74%, 52%, 78%
CMY	0.2600, 0.4795, 0.2208
CMYK	0.05, 0.33, 0.00, 0.22
HSL	291°, 37%, 65%
HSV	291°, 33%, 78%
XYZ	39.5337, 31.5869, 57.8625
YIQ	157.2680, 12.1900, 32.3980

Conversions

Conversions Part 2

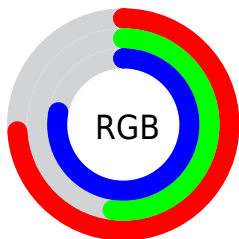
Format	Color
R_{YB}	189, 133, 199
Decimal	12420551
CIE _{Lab}	63.00, 32.72, -25.79
CIE _{LCh}	63, 41.659, 321.750
Yxy	31.5869, 0.3065, 0.2449
Android (android.graphics.Color)	4290610631 (0xFFBD85C7)
YUV	157.2680, 20.5739, 27.8290
Hunter-Lab	56.2022, 27.2063, -21.6999

Details

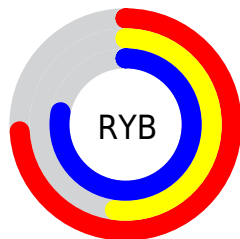
The CIELCh color $63, 41.659, 321.750$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $75, 41.224, 138.345$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 41.157, 322.052$, and $43, 41.918, 321.915$ is the 20% darker color. If you saturate the color by 10%, you get $58, 53.930, 322.166$, and if you desaturate by 10%, it is $68, 29.078, 321.299$.

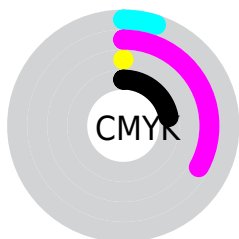
Distribution



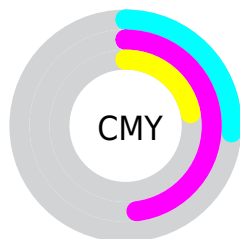
- Red (74%)
- Green (52%)
- Blue (78%)



- Red (74%)
- Yellow (52%)
- Blue (78%)



- Cyan (5%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)





- Cyan (26%)
- Magenta (48%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 41.659, 321.750 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 63, 41.659, 321.750 by changing the saturation by 10% instead.


 63, 41.659,
321.750


 63, 41.659,
321.750


 100, 41.659,
321.750


 53, 41.659,
321.750


 83, 41.659,
321.750

 43, 41.659,
321.750

 93, 41.659,
321.750

 33, 41.659,
321.750

 23, 41.659,
321.750

 13, 41.659,
321.750

 3, 41.659, 321.750

 0, 41.659, 321.750

63, 41.659,
321.750

63, 41.659,
321.750

58, 53.930,
322.166

68, 29.078,
321.299

54, 65.531,
322.521

73, 16.457,
320.832

50, 75.983,
322.782

78, 3.966, 320.330

47, 84.742,
322.914

84, 8.285, 139.966

44, 91.292,
322.879

89, 20.233,
139.523


43, 95.327,
322.651

95, 31.848,
139.116

42, 96.974,
322.412

96, 33.131,
137.785

96, 32.589,
136.222

 96, 32.069,
134.593

Harmonies

Complementary

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



63, 41.659, 321.750



75, 41.224, 138.345

Rectangle

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



63, 41.659, 321.750



63, 41.659, 11.750



63, 41.659, 141.750



63, 41.659, 191.750

Sweetspot

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



63, 41.657, 321.750



93, 15.224, 320.687



61, 31.077, 287.018



49, 10.398, 320.755



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 41.657, 321.750



75, 61.260, 322.062



63, 34.453, 338.191



39, 7.052, 320.650



34, 83.774, 322.491



4, 25.006, 320.620

Inverse Universe

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



62, 27.194, 10.731



74, 40.750, 11.960



75, 33.960, 152.862



39, 4.357, 7.782



34, 68.365, 32.333



3, 16.063, 11.598

Previews

White Background



This preview shows how the CIELCh color 63, 41.659, 321.750 looks on a white background.

Color Contrast Check

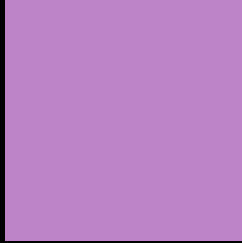
Large Text (above 18pt) WCAG AA × Fail

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 63, 41.659, 321.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

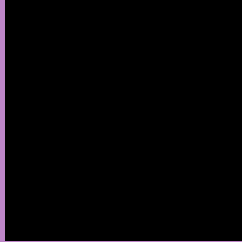
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 41.659, 321.750

Background



This preview shows how black text looks on a background with the CIELCh color 63, 41.659, 321.750.

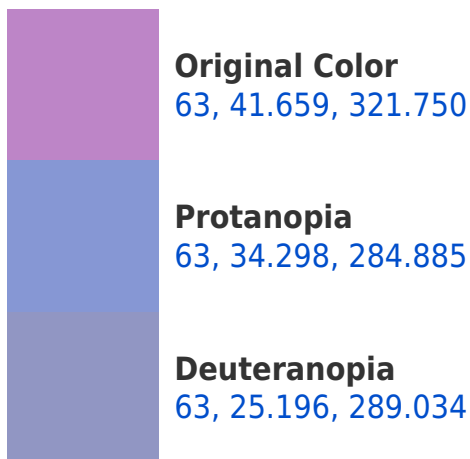


This preview shows how white text looks on a background with the CIELCh color 63, 41.659, 321.750.

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
63, 16.872, 359.965

Trichromacy



Original Color
63, 41.659, 321.750



Protanomaly
63, 35.561, 299.148



Deuteranomaly
63, 29.845, 304.477



Tritanomaly
63, 24.217, 336.475

Monochromacy



Original Color
63, 41.659, 321.750



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 15.585, 321.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 41.659, 321.750 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(189, 133, 199)` looks like.

```
.text, #text, p{  
    color:rgb(189, 133, 199)  
}
```

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(189, 133, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 133, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 41.659, 321.750 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(189, 133, 199) }
```

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

```
.border{ border-color:rgb(189, 133, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 133, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 133, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 133, 199);  
box-shadow:4px 4px 4px 4px rgb(189, 133,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 41.659, 321.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 133, 199) }
```

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

```
.background{ background-color: rgb(189,  
133, 199) }
```

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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