

Converting Colors

CIELCh(42, 83.733, 331.836)

Have a look what the booklet for
CIELCh(42, 83.733, 331.836)
contains.

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Color

CIELCh(42, 83.729, 331.826)

Conversions

Conversions Part 1

Format	Color
Hex	B500A6
RGB	181, 0, 166
RGB Percent	71%, 0%, 65%
CMY	0.2916, 1.0000, 0.3503
CMYK	0.00, 1.00, 0.08, 0.29
HSL	305°, 100%, 35%
HSV	305°, 100%, 71%
XYZ	25.8163, 12.5000, 36.9742
YIQ	73.0430, 54.5900, 89.9980

Conversions

Conversions Part 2

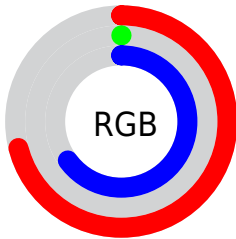
Format	Color
R_{YB}	181, 0, 166
Decimal	11862182
CIE _{Lab}	42.00, 73.81, -39.53
CIE _{LCh}	42, 83.729, 331.826
Yxy	12.5000, 0.3429, 0.1660
Android (android.graphics.Color)	4290052262 (0xFFB500A6)
YUV	73.0430, 45.8278, 94.6783
Hunter-Lab	35.3553, 68.4679, -37.2560

Details

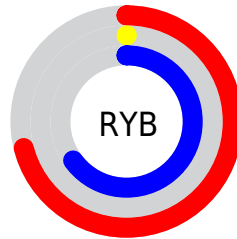
The CIELCh color **42, 83.729, 331.826** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **64, 90.872, 136.733**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 83.893, 331.822**, and **28, 63.341, 331.626** is the 20% darker color. If you saturate the color by 10%, you get **42, 83.610, 331.826**, and if you desaturate by 10%, it is **43, 81.939, 331.430**.

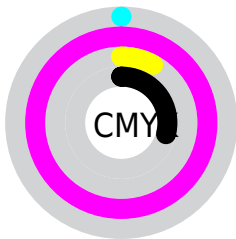
Distribution



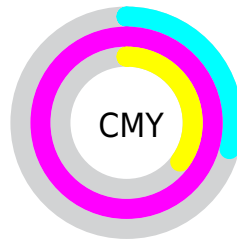
- Red (71%)
- Green (0%)
- Blue (65%)



- Red (71%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 83.729, 331.826 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 42, 83.729, 331.826 by changing the saturation by 10% instead.


 42, 83.729,
331.826


 42, 83.729,
331.826


 100, 83.729,
331.826


 32, 83.729,
331.826

 62, 83.729,
331.826


 22, 83.729,
331.826

 72, 83.729,
331.826

 12, 83.729,
331.826

 82, 83.729,
331.826

 2, 83.729, 331.826

 92, 83.729,
331.826

 0, 83.729, 331.826

 42, 83.729,

 42, 83.729,

331.826

■ 42, 83.610,
331.826

331.826

■ 43, 81.939,
331.430

■ 44, 78.419,
331.017

■ 46, 72.680,
330.571

■ 49, 64.962,
330.089

■ 52, 55.680,
329.572

■ 56, 45.297,
329.025

■ 60, 34.239,
328.460

■ 64, 22.847,
327.884

■ 69, 11.378,
327.301

Harmonies

Complementary

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



42, 83.729, 331.826



64, 90.872, 136.733

Rectangle

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



42, 83.729, 331.826



42, 83.729, 21.826



42, 83.729, 151.826



42, 83.729, 201.826

Sweetspot

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



42, 83.610, 331.826



76, 42.331, 328.489



22, 102.962, 306.491



38, 28.787, 328.725



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 83.610, 331.826



55, 101.570, 331.893



38, 65.209, 8.341



35, 6.379, 327.260



35, 74.028, 331.776



2, 14.931, 327.996

Inverse Universe

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



42, 83.610, 331.826



55, 101.570, 331.893



65, 63.928, 152.797



35, 6.379, 327.260



35, 74.028, 331.776



2, 14.931, 327.996

Previews

White Background



This preview shows how the CIELCh color 42, 83.729, 331.826 looks on a white background.

Color Contrast Check

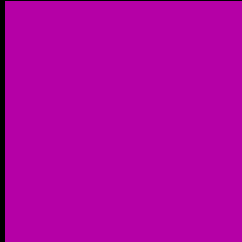
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 83.729, 331.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

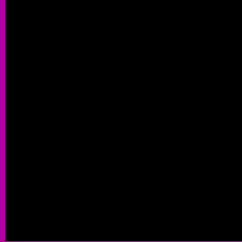
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 83.729, 331.826

Background



This preview shows how black text looks on a background with the CIELCh color 42, 83.729, 331.826.

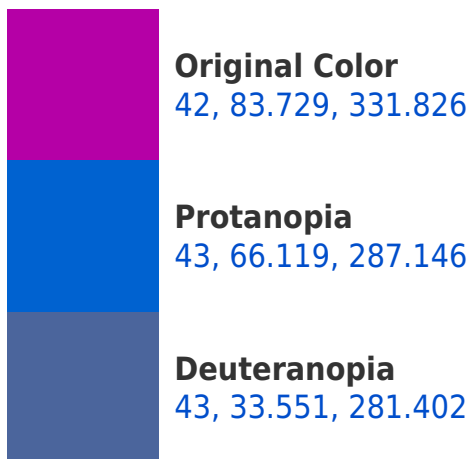


This preview shows how white text looks on a background with the CIELCh color 42, 83.729, 331.826.

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
43, 48.361, 25.180

Trichromacy



Original Color
42, 83.729, 331.826



Protanomaly
35, 79.878, 301.760



Deuteranomaly
37, 59.796, 312.341



Tritanomaly
41, 57.708, 356.300

Monochromacy



Original Color
42, 83.729, 331.826



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 43.857, 329.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 83.729, 331.826 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, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 166)  
}
```

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, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 83.729, 331.826 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, 0, 166) }
```

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

```
.border{ border-color:rgb(181, 0, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 83.729, 331.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 166) }
```

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

```
.background{ background-color: rgb(181, 0,  
166) }
```

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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