

Converting Colors

CIELCh(42, 83.280, 332.167)

Have a look what the booklet for
CIELCh(42, 83.280, 332.167)
contains.

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Color

CIELCh(42, 83.368, 332.090)

Conversions

Conversions Part 1

Format	Color
Hex	B500A5
RGB	181, 0, 165
RGB Percent	71%, 0%, 65%
CMY	0.2909, 1.0000, 0.3536
CMYK	0.00, 1.00, 0.09, 0.29
HSL	305°, 100%, 35%
HSV	305°, 100%, 71%
XYZ	25.7834, 12.5000, 36.5706
YIQ	72.9290, 54.9110, 89.6870

Conversions

Conversions Part 2

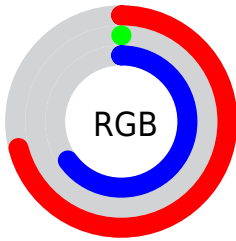
Format	Color
RYB	181, 0, 165
Decimal	11862181
CIELab	42.00, 73.67, -39.02
CIELCh	42, 83.368, 332.090
Yxy	12.5000, 0.3444, 0.1670
Android (android.graphics.Color)	4290052261 (0xFFB500A5)
YUV	72.9290, 45.3910, 94.7783
Hunter-Lab	35.3553, 68.3017, -36.5792

Details

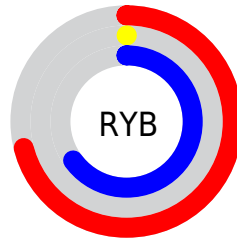
The CIELCh color **42, 83.368, 332.090** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **64, 90.804, 136.792**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 83.530, 332.069**, and **28, 62.952, 331.999** is the 20% darker color. If you saturate the color by 10%, you get **42, 83.305, 332.090**, and if you desaturate by 10%, it is **43, 81.665, 331.670**.

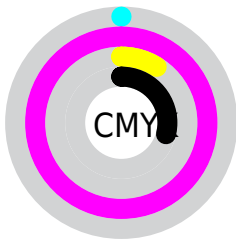
Distribution



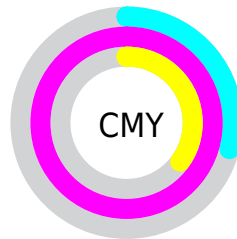
- Red (71%)
- Green (0%)
- Blue (65%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (29%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 83.368, 332.090 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, 83.368, 332.090 by changing the saturation by 10% instead.


 42, 83.368,
332.090


 42, 83.368,
332.090


 100, 83.368,
332.090


 32, 83.368,
332.090

 62, 83.368,
332.090


 22, 83.368,
332.090

 72, 83.368,
332.090

 12, 83.368,
332.090

 82, 83.368,
332.090

 2, 83.368, 332.090

 92, 83.368,
332.090


 0, 83.368, 332.090

 42, 83.368,

 42, 83.368,


332.090


332.090


 42, 83.305,
332.090


 43, 81.665,
331.670


 44, 78.174,
331.236


 46, 72.460,
330.775

 49, 64.769,
330.281

 52, 55.515,
329.755

 56, 45.162,
329.202

 60, 34.135,
328.632

 64, 22.778,
328.053

■ 69, 11.343,
327.467

Harmonies

Complementary

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



42, 83.368, 332.090



64, 90.804, 136.792

Rectangle

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



42, 83.368, 332.090



42, 83.368, 22.090



42, 83.368, 152.090



42, 83.368, 202.090

Sweetspot

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



42, 83.305, 332.090



76, 42.172, 328.661



22, 102.932, 306.552



38, 28.679, 328.899



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, 83.305, 332.090



54, 101.124, 332.162



38, 65.349, 9.963



35, 6.354, 327.426



35, 73.712, 332.036



2, 14.848, 328.245

Inverse Universe

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



42, 83.305, 332.090



54, 101.124, 332.162



65, 62.778, 153.786



35, 6.354, 327.426



35, 73.712, 332.036



2, 14.848, 328.245

Previews

White Background



This preview shows how the CIELCh color 42, 83.368, 332.090 looks on a white background.

Color Contrast Check

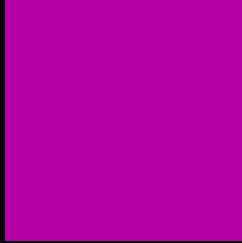
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.368, 332.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

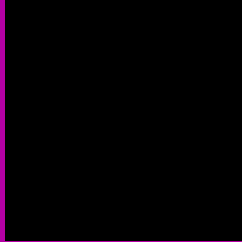
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 83.368, 332.090

Background



This preview shows how black text looks on a background with the CIELCh color 42, 83.368, 332.090.

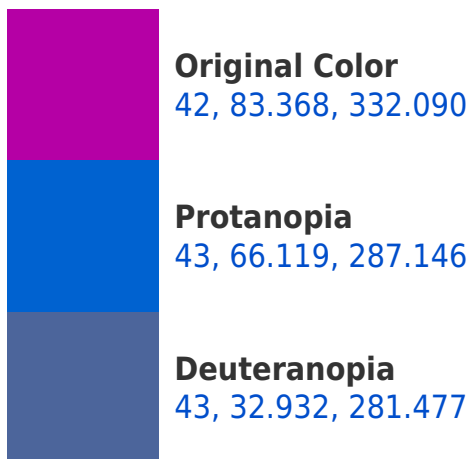


This preview shows how white text looks on a background with the CIELCh color 42, 83.368, 332.090.

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, 48.789, 25.275

Trichromacy



Original Color
42, 83.368, 332.090



Protanomaly
35, 79.331, 301.725



Deuteranomaly
37, 59.281, 312.800



Tritanomaly
41, 57.708, 356.300

Monochromacy



Original Color
42, 83.368, 332.090



Achromatopsia
31, 0.005, 296.813



Achromatomaly
30, 43.414, 330.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 83.368, 332.090 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 83.368, 332.090 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, 165) }
```

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

```
.border{ border-color:rgb(181, 0, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 83.368, 332.090 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, 165) }
```

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

```
.background{ background-color: rgb(181, 0,  
165) }
```

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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