

Converting Colors

CIELCh(42, 82.321, 332.897)

Have a look what the booklet for
CIELCh(42, 82.321, 332.897)
contains.

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Color

CIELCh(42, 82.181, 332.901)

Conversions

Conversions Part 1

Format	Color
Hex	B502A2
RGB	181, 2, 162
RGB Percent	71%, 1%, 64%
CMY	0.2894, 0.9935, 0.3640
CMYK	0.00, 0.99, 0.10, 0.29
HSL	306°, 98%, 36%
HSV	306°, 99%, 71%
XYZ	25.6613, 12.5000, 35.3322
YIQ	73.7610, 55.3240, 87.7080

Conversions

Conversions Part 2

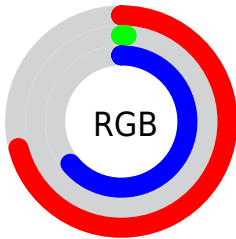
Format	Color
R_{YB}	181, 2, 162
Decimal	11862690
CIE _{Lab}	42.00, 73.16, -37.44
CIE _{LCh}	42, 82.181, 332.901
Yxy	12.5000, 0.3492, 0.1701
Android (android.graphics.Color)	4290052770 (0xFFB502A2)
YUV	73.7610, 43.5018, 94.0486
Hunter-Lab	35.3553, 67.6853, -34.5024

Details

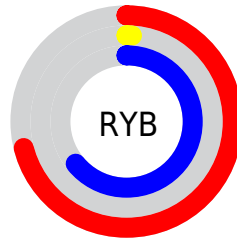
The CIELCh color **42, 82.181, 332.901** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **64, 90.217, 137.064**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 82.093, 333.086**, and **28, 62.183, 332.763** is the 20% darker color. If you saturate the color by 10%, you get **42, 82.304, 332.947**, and if you desaturate by 10%, it is **43, 80.540, 332.399**.

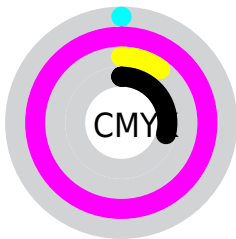
Distribution



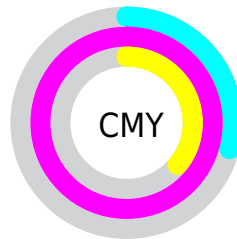
- Red (71%)
- Green (1%)
- Blue (64%)



- Red (71%)
- Yellow (1%)
- Blue (64%)



- Cyan (0%)
- Magenta (99%)
- Yellow (10%)
- Black (29%)





- Cyan (29%)
- Magenta (99%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 82.181, 332.901 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, 82.181, 332.901 by changing the saturation by 10% instead.


 42, 82.181,
332.901


 42, 82.181,
332.901


 100, 82.181,
332.901


 32, 82.181,
332.901

 62, 82.181,
332.901


 22, 82.181,
332.901

 72, 82.181,
332.901

 12, 82.181,
332.901

 82, 82.181,
332.901

 2, 82.181, 332.901

 92, 82.181,
332.901

 0, 82.181, 332.901

 42, 82.181,

 42, 82.181,

332.901

■ 42, 82.304,
332.947

332.901

■ 43, 80.540,
332.399

■ 44, 76.930,
331.898

■ 46, 71.105,
331.385

■ 49, 63.338,
330.851

■ 52, 54.057,
330.294

■ 56, 43.726,
329.719

■ 60, 32.764,
329.132

■ 65, 21.503,
328.541

■ 69, 10.188,
327.946

Harmonies

Complementary

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



42, 82.181, 332.901



64, 90.217, 137.064

Rectangle

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



42, 82.181, 332.901



42, 82.181, 22.901



42, 82.181, 152.901



42, 82.181, 202.901

Sweetspot

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



42, 82.178, 332.901



76, 41.671, 329.216



22, 102.501, 306.552



38, 28.340, 329.460



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, 82.178, 332.901



54, 99.727, 333.035



39, 65.389, 11.160



36, 6.426, 327.962



36, 73.601, 332.885



3, 16.892, 329.206

Inverse Universe

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



42, 82.178, 332.901



54, 99.727, 333.035



65, 61.365, 155.005



36, 6.426, 327.962



36, 73.601, 332.885



3, 16.892, 329.206

Previews

White Background



This preview shows how the CIELCh color 42, 82.181, 332.901 looks on a white background.

Color Contrast Check

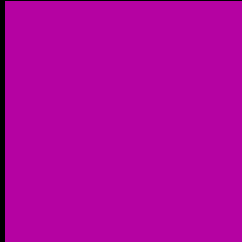
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 42, 82.181, 332.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

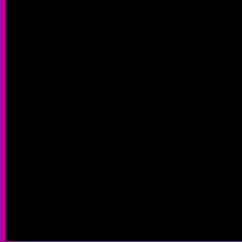
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 82.181, 332.901

Background



This preview shows how black text looks on a background with the CIELCh color 42, 82.181, 332.901.

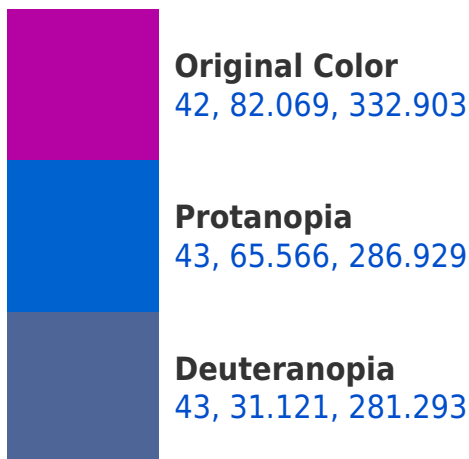


This preview shows how white text looks on a background with the CIELCh color 42, 82.181, 332.901.

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, 49.294, 25.464

Trichromacy



Original Color
42, 82.069, 332.903



Protanomaly
35, 78.162, 301.457



Deuteranomaly
38, 57.116, 313.763



Tritanomaly
41, 57.442, 357.441

Monochromacy



Original Color
42, 82.069, 332.903



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 42.369, 330.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 82.181, 332.901 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, 2, 162)` looks like.

```
.text, #text, p{  
    color:rgb(181, 2, 162)  
}
```

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, 2, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 2, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 82.181, 332.901 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, 2, 162) }
```

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

```
.border{ border-color:rgb(181, 2, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 2, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 2, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 2, 162);  
box-shadow:4px 4px 4px 4px rgb(181, 2,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 82.181, 332.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 2, 162) }
```

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

```
.background{ background-color: rgb(181, 2,  
162) }
```

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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