

Converting Colors

CIELCh(42, 83.082, 332.314)

Have a look what the booklet for
CIELCh(42, 83.082, 332.314)
contains.

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Color

CIELCh(42, 83.008, 332.357)

Conversions

Conversions Part 1

Format	Color
Hex	B500A4
RGB	181, 0, 164
RGB Percent	71%, 0%, 64%
CMY	0.2903, 1.0000, 0.3569
CMYK	0.00, 1.00, 0.09, 0.29
HSL	306°, 100%, 35%
HSV	306°, 100%, 71%
XYZ	25.7504, 12.5000, 36.1690
YIQ	72.8150, 55.2320, 89.3760

Conversions

Conversions Part 2

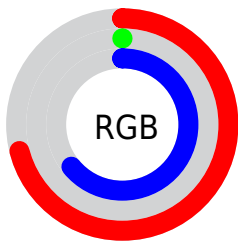
Format	Color
RYB	181, 0, 164
Decimal	11862180
CIELab	42.00, 73.53, -38.51
CIElCh	42, 83.008, 332.357
Yxy	12.5000, 0.3460, 0.1680
Android (android.graphics.Color)	4290052260 (0xFFB500A4)
YUV	72.8150, 44.9542, 94.8782
Hunter-Lab	35.3553, 68.1355, -35.9058

Details

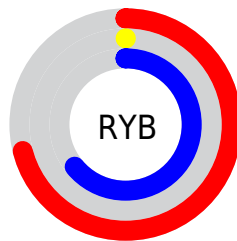
The CIELCh color **42, 83.008, 332.357** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **64, 90.730, 136.854**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 83.168, 332.319**, and **28, 62.952, 331.999** is the 20% darker color. If you saturate the color by 10%, you get **42, 83.001, 332.357**, and if you desaturate by 10%, it is **43, 81.392, 331.911**.

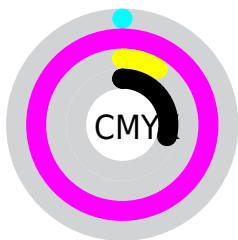
Distribution



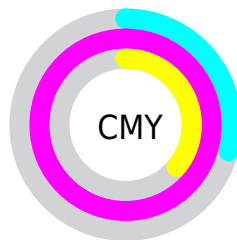
- Red (71%)
- Green (0%)
- Blue (64%)



- Red (71%)
- Yellow (0%)
- Blue (64%)



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




- Cyan (29%)
- Magenta (100%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 83.008, 332.357 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, 83.008, 332.357 by changing the saturation by 10% instead.


 42, 83.008,
332.357


 42, 83.008,
332.357


 100, 83.008,
332.357


 32, 83.008,
332.357

 62, 83.008,
332.357


 22, 83.008,
332.357

 72, 83.008,
332.357

 12, 83.008,
332.357

 82, 83.008,
332.357

 2, 83.008, 332.357

 92, 83.008,
332.357

 0, 83.008, 332.357

 42, 83.008,

 42, 83.008,

332.357

332.357

■ 42, 83.001,
332.357

■ 43, 81.392,
331.911

■ 44, 77.929,
331.457

■ 46, 72.242,
330.980

■ 49, 64.576,
330.475

■ 52, 55.350,
329.940

■ 56, 45.027,
329.381

■ 60, 34.032,
328.805

■ 64, 22.708,
328.222

■ 69, 11.308,
327.634

Harmonies

Complementary

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



42, 83.008, 332.357



64, 90.730, 136.854

Rectangle

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



42, 83.008, 332.357



42, 83.008, 22.357



42, 83.008, 152.357



42, 83.008, 202.357

Sweetspot

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



42, 83.001, 332.357



76, 42.014, 328.835



22, 103.002, 306.552



38, 28.572, 329.074



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, 83.001, 332.357



54, 100.681, 332.434



38, 65.394, 9.967



35, 6.330, 327.593



35, 73.398, 332.298



2, 14.765, 328.495

Inverse Universe

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



42, 83.001, 332.357



54, 100.681, 332.434



65, 62.822, 153.784



35, 6.330, 327.593



35, 73.398, 332.298



2, 14.765, 328.495

Previews

White Background



This preview shows how the CIELCh color 42, 83.008, 332.357 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, 83.008, 332.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

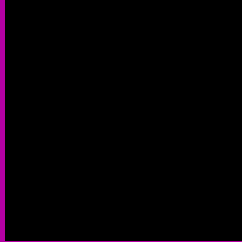
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 83.008, 332.357

Background



This preview shows how black text looks on a background with the CIELCh color 42, 83.008, 332.357.



This preview shows how white text looks on a background with the CIELCh color 42, 83.008, 332.357.

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

42, 83.008, 332.357

Protanopia

43, 66.119, 287.146

Deuteranopia

43, 32.363, 281.098



Tritanopia
43, 49.294, 25.464

Trichromacy



Original Color
42, 83.008, 332.357



Protanomaly
35, 79.331, 301.725



Deuteranomaly
37, 58.746, 312.955



Tritanomaly
41, 57.571, 356.869

Monochromacy



Original Color
42, 83.008, 332.357



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, 83.008, 332.357 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 83.008, 332.357 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, 164) }
```

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

```
.border{ border-color:rgb(181, 0, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 83.008, 332.357 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, 164) }
```

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

```
.background{ background-color: rgb(181, 0,  
164) }
```

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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