

Converting Colors

CIELCh(42, 74.642, 332.217)

Have a look what the booklet for
CIELCh(42, 74.642, 332.217)
contains.

CIELCh(42, 74.672, 332.031)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 74.672, 332.031)

Conversions

Conversions Part 1

Format	Color
Hex	AD229E
RGB	173, 34, 158
RGB Percent	68%, 13%, 62%
CMY	0.3215, 0.8666, 0.3803
CMYK	0.00, 0.80, 0.09, 0.32
HSL	306°, 67%, 41%
HSV	306°, 80%, 68%
XYZ	23.9820, 12.5000, 33.5020
YIQ	89.6970, 43.0400, 68.0320

Conversions

Conversions Part 2

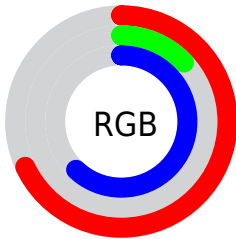
Format	Color
R _Y B	173, 34, 158
Decimal	11346590
CIE Lab	42.00, 65.95, -35.02
CIE LCh	42, 74.672, 332.031
Yxy	12.5000, 0.3427, 0.1786
Android (android.graphics.Color)	4289536670 (0xFFAD229E)
YUV	89.6970, 33.6734, 73.0567
Hunter-Lab	35.3553, 59.2070, -31.4333

Details

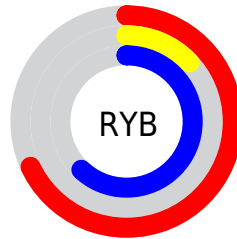
The CIELCh color **42, 74.672, 332.031** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **62, 78.300, 139.339**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.487, 332.134**, and **26, 60.538, 331.826** is the 20% darker color. If you saturate the color by 10%, you get **41, 77.927, 332.538**, and if you desaturate by 10%, it is **44, 69.276, 331.515**.

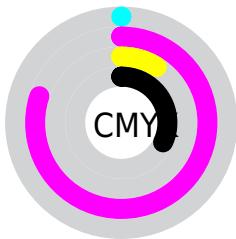
Distribution



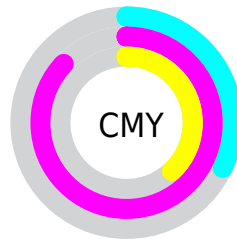
- Red (68%)
- Green (13%)
- Blue (62%)



- Red (68%)
- Yellow (13%)
- Blue (62%)



- Cyan (0%)
- Magenta (80%)
- Yellow (9%)
- Black (32%)





- Cyan (32%)
- Magenta (87%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 74.672, 332.031 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, 74.672, 332.031 by changing the saturation by 10% instead.


 42, 74.672,
332.031


 42, 74.672,
332.031


 100, 74.672,
332.031


 32, 74.672,
332.031

 62, 74.672,
332.031


 22, 74.672,
332.031

 72, 74.672,
332.031

 12, 74.672,
332.031

 82, 74.672,
332.031

 2, 74.672, 332.031

 92, 74.672,
332.031

 0, 74.672, 332.031

 42, 74.672,

 42, 74.672,

332.031

■ 41, 77.927,
332.538

■ 40, 79.426,
333.030

332.031

■ 44, 69.276,
331.515

■ 47, 61.982,
330.981

■ 50, 53.190,
330.425

■ 53, 43.344,
329.851

■ 57, 32.853,
329.265

■ 62, 22.043,
328.675

■ 66, 11.158,
328.082

■ 71, 0.365, 326.835

■ 75, 10.229,
147.006

Harmonies

Complementary

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



42, 74.672, 332.031



62, 78.300, 139.339

Rectangle

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



42, 74.672, 332.031



42, 74.672, 22.031



42, 74.672, 152.031



42, 74.672, 202.031

Sweetspot

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



42, 74.670, 332.031



76, 32.155, 328.916



26, 85.968, 304.818



38, 22.052, 329.120



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



42, 74.670, 332.031



52, 95.904, 332.914



39, 57.836, 3.014



34, 6.120, 328.020



35, 71.729, 332.970



2, 12.457, 328.948

Inverse Universe

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



42, 74.670, 332.031



52, 95.904, 332.914



63, 52.213, 159.048



34, 6.120, 328.020



35, 71.729, 332.970



2, 12.457, 328.948

Previews

White Background



This preview shows how the CIELCh color 42, 74.672, 332.031 looks on a white background.

Color Contrast Check

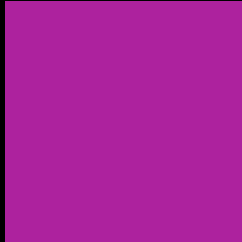
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.672, 332.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

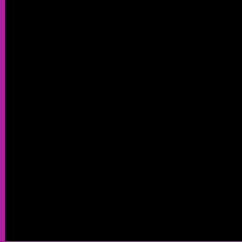
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 74.672, 332.031

Background



This preview shows how black text looks on a background with the CIELCh color 42, 74.672, 332.031.

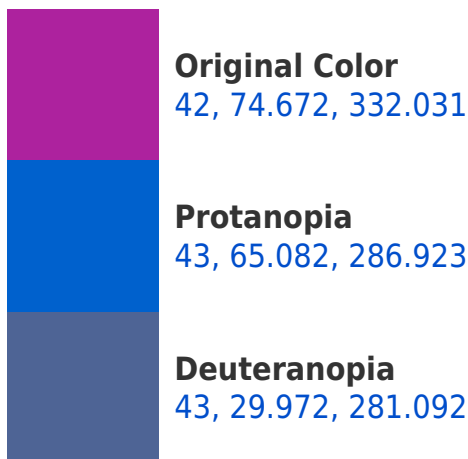


This preview shows how white text looks on a background with the CIELCh color 42, 74.672, 332.031.

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
42, 44.085, 23.285

Trichromacy



Original Color
42, 74.672, 332.031

Protanomaly
37, 69.519, 297.909

Deuteranomaly
39, 47.714, 311.139

Tritanomaly
41, 50.114, 356.800

Monochromacy



Original Color
42, 74.672, 332.031

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 33.376, 329.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 74.672, 332.031 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(173, 34, 158)` looks like.

```
.text, #text, p{  
    color:rgb(173, 34, 158)  
}
```

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(173, 34, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 34, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 74.672, 332.031 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(173, 34, 158) }
```

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

```
.border{ border-color:rgb(173, 34, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 34, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 34, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 34, 158);  
box-shadow:4px 4px 4px 4px rgb(173, 34,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 74.672, 332.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 34, 158) }
```

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

```
.background{ background-color: rgb(173, 34,  
158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor