

Converting Colors

CIELCh(42, 71.077, 342.815)

Have a look what the booklet for
CIELCh(42, 71.077, 342.815)
contains.

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Color

CIELCh(42, 70.941, 342.899)

Conversions

Conversions Part 1

Format	Color
Hex	B81687
RGB	184, 22, 135
RGB Percent	72%, 9%, 53%
CMY	0.2787, 0.9141, 0.4708
CMYK	0.00, 0.88, 0.27, 0.28
HSL	318°, 79%, 40%
HSV	318°, 88%, 72%
XYZ	24.4067, 12.5000, 24.0284
YIQ	83.3200, 60.2790, 69.4870

Conversions

Conversions Part 2

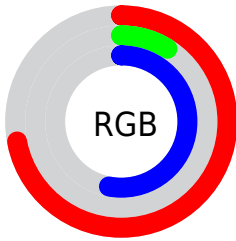
Format	Color
RYB	184, 22, 135
Decimal	12064391
CIELab	42.00, 67.80, -20.86
CIElCh	42, 70.941, 342.899
Yxy	12.5000, 0.4005, 0.2051
Android (android.graphics.Color)	4290254471 (0xFFB81687)
YUV	83.3200, 25.4782, 88.2964
Hunter-Lab	35.3553, 61.3512, -15.5463

Details

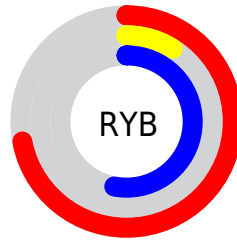
The CIELCh color **42, 70.941, 342.899** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **66, 76.804, 143.476**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 71.054, 343.053**, and **27, 54.237, 346.008** is the 20% darker color. If you saturate the color by 10%, you get **41, 71.990, 344.695**, and if you desaturate by 10%, it is **44, 67.838, 341.398**.

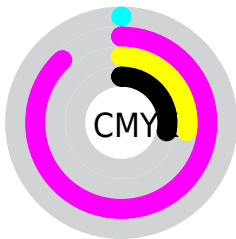
Distribution



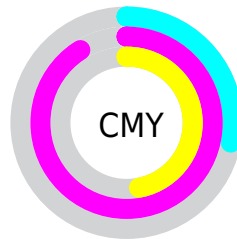
- Red (72%)
- Green (9%)
- Blue (53%)



- Red (72%)
- Yellow (9%)
- Blue (53%)



- Cyan (0%)
- Magenta (88%)
- Yellow (27%)
- Black (28%)





- Cyan (28%)
- Magenta (91%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 70.941, 342.899 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, 70.941, 342.899 by changing the saturation by 10% instead.


 42, 70.941,
342.899


 42, 70.941,
342.899


 100, 70.941,
342.899

 32, 70.941,
342.899

 62, 70.941,
342.899


 22, 70.941,
342.899

 72, 70.941,
342.899

 12, 70.941,
342.899

 82, 70.941,
342.899

 2, 70.941, 342.899

 92, 70.941,
342.899

 0, 70.941, 342.899

 42, 70.941,

 42, 70.941,

342.899

■ 41, 71.990,
344.695

■ 41, 72.121,
345.051

342.899

■ 44, 67.838,
341.398

■ 46, 62.591,
340.136

■ 49, 55.526,
339.046

■ 53, 47.105,
338.078

■ 57, 37.793,
337.197

■ 61, 27.986,
336.383

■ 66, 17.982,
335.620

■ 71, 7.991, 334.888

Harmonies

Complementary

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



42, 70.941, 342.899



66, 76.804, 143.476

Rectangle

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



42, 70.941, 342.899



42, 70.941, 32.899



42, 70.941, 162.899



42, 70.941, 212.899

Sweetspot

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



42, 70.938, 342.899



79, 32.118, 336.253



28, 94.888, 308.335



40, 21.755, 336.523



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



42, 70.938, 342.899



53, 87.679, 345.428



40, 66.608, 23.367



36, 5.590, 334.979



34, 63.877, 344.766



3, 14.036, 339.451

Inverse Universe

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



42, 70.938, 342.899



53, 87.679, 345.428



67, 46.290, 172.952



36, 5.590, 334.979



34, 63.877, 344.766



3, 14.036, 339.451

Previews

White Background



This preview shows how the CIELCh color 42, 70.941, 342.899 looks on a white background.

Color Contrast Check

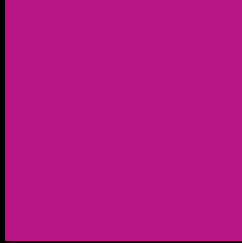
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.941, 342.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

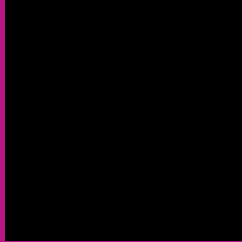
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 70.941, 342.899

Background



This preview shows how black text looks on a background with the CIELCh color 42, 70.941, 342.899.

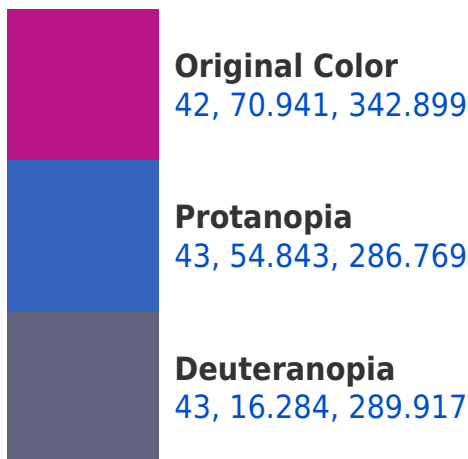


This preview shows how white text looks on a background with the CIELCh color 42, 70.941, 342.899.

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](#).

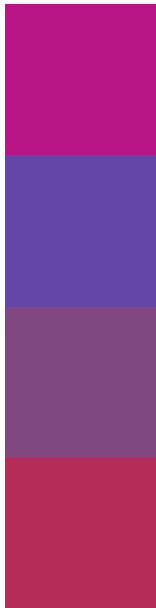
Dichromacy





Tritanopia
42, 56.052, 28.115

Trichromacy



Original Color
42, 70.941, 342.899

Protanomaly
38, 60.833, 306.397

Deuteranomaly
39, 40.667, 326.730

Tritanomaly
42, 57.045, 8.287

Monochromacy



Original Color
42, 70.941, 342.899

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 33.948, 338.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 70.941, 342.899 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(184, 22, 135)` looks like.

```
.text, #text, p{  
    color:rgb(184, 22, 135)  
}
```

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(184, 22, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 22, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 70.941, 342.899 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(184, 22, 135) }
```

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

```
.border{ border-color:rgb(184, 22, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 22, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 22, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 22, 135);  
box-shadow:4px 4px 4px 4px rgb(184, 22,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 70.941, 342.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 22, 135) }
```

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

```
.background{ background-color: rgb(184, 22,  
135) }
```

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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