

Converting Colors

CIELCh(42, 71.935, 349.210)

Have a look what the booklet for
CIELCh(42, 71.935, 349.210)
contains.

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Color

CIELCh(42, 71.829, 349.286)

Conversions

Conversions Part 1

Format	Color
Hex	BF007B
RGB	191, 0, 123
RGB Percent	75%, 0%, 48%
CMY	0.2511, 1.0000, 0.5177
CMYK	0.00, 1.00, 0.36, 0.25
HSL	321°, 100%, 37%
HSV	321°, 100%, 75%
XYZ	25.0510, 12.5000, 19.8232
YIQ	71.1310, 74.3530, 78.7450

Conversions

Conversions Part 2

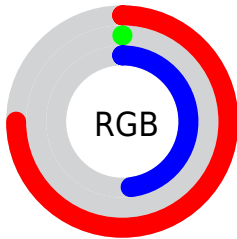
Format	Color
R_{YB}	191, 0, 123
Decimal	12517499
CIE _{Lab}	42.00, 70.58, -13.35
CIE _{LCh}	42, 71.829, 349.286
Yxy	12.5000, 0.4366, 0.2179
Android (android.graphics.Color)	4290707579 (0xFFBF007B)
YUV	71.1310, 25.5714, 105.1251
Hunter-Lab	35.3553, 64.6041, -8.4943

Details

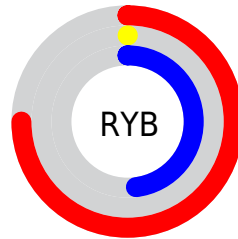
The CIELCh color **42, 71.829, 349.286** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **68, 81.894, 142.944**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 71.894, 349.142**, and **28, 53.006, 355.293** is the 20% darker color. If you saturate the color by 10%, you get **42, 71.820, 349.288**, and if you desaturate by 10%, it is **43, 71.031, 346.936**.

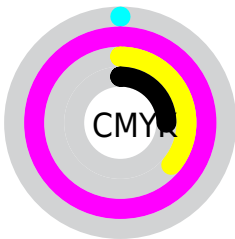
Distribution



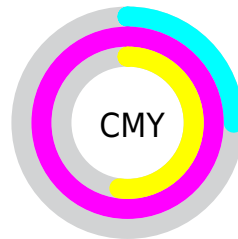
- Red (75%)
- Green (0%)
- Blue (48%)



- Red (75%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (25%)




- Cyan (25%)
- Magenta (100%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 71.829, 349.286 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, 71.829, 349.286 by changing the saturation by 10% instead.

 42, 71.829,
349.286


 42, 71.829,
349.286


 100, 71.829,
349.286

 32, 71.829,
349.286

 62, 71.829,
349.286

 22, 71.829,
349.286

 72, 71.829,
349.286

 12, 71.829,
349.286

 82, 71.829,
349.286

 2, 71.829, 349.286

 92, 71.829,
349.286

 0, 71.829, 349.286

 42, 71.829,

 42, 71.829,

349.286

349.286

■ 42, 71.820,
349.288

■ 43, 71.031,
346.936

■ 45, 68.394,
344.975

■ 47, 63.554,
343.374

■ 50, 56.800,
342.035

■ 54, 48.595,
340.885

■ 58, 39.423,
339.871

■ 62, 29.704,
338.955

■ 67, 19.759,
338.116

Harmonies

Complementary

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



42, 71.829, 349.286



68, 81.894, 142.944

Rectangle

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



42, 71.829, 349.286



42, 71.829, 39.286



42, 71.829, 169.286



42, 71.829, 219.286

Sweetspot

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



42, 71.820, 349.288



79, 36.647, 338.997



27, 103.571, 309.012



40, 25.177, 339.379



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 71.820, 349.288



54, 86.967, 349.748



40, 77.389, 33.073



37, 5.504, 337.276



34, 62.619, 348.884



3, 15.361, 343.070

Inverse Universe

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



42, 71.820, 349.288



54, 86.967, 349.748



69, 47.000, 176.186



37, 5.504, 337.276



34, 62.619, 348.884



3, 15.361, 343.070

Previews

White Background



This preview shows how the CIELCh color 42, 71.829, 349.286 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, 71.829, 349.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

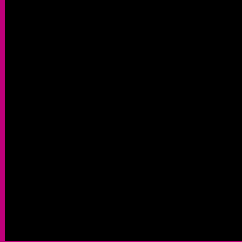
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 71.829, 349.286

Background



This preview shows how black text looks on a background with the CIELCh color 42, 71.829, 349.286.



This preview shows how white text looks on a background with the CIELCh color 42, 71.829, 349.286.

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, 71.829, 349.286

Protanopia

43, 46.422, 286.440

Deuteranopia

43, 9.386, 306.138



Tritanopia
43, 63.278, 31.030

Trichromacy



Original Color
42, 71.829, 349.286

Protanomaly
37, 58.804, 312.968

Deuteranomaly
38, 41.860, 336.550

Tritanomaly
42, 63.337, 13.509

Monochromacy



Original Color
42, 71.829, 349.286

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 38.258, 341.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 71.829, 349.286 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(191, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 123)  
}
```

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(191, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 71.829, 349.286 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(191, 0, 123) }
```

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

```
.border{ border-color:rgb(191, 0, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 71.829, 349.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 123) }
```

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

```
.background{ background-color: rgb(191, 0,  
123) }
```

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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