

Converting Colors

CIELCh(41, 71.134, 349.392)

Have a look what the booklet for
CIELCh(41, 71.134, 349.392)
contains.

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Color

CIELCh(41, 70.639, 349.428)

Conversions

Conversions Part 1

Format	Color
Hex	BB0078
RGB	187, 0, 120
RGB Percent	73%, 0%, 47%
CMY	0.2677, 1.0000, 0.5303
CMYK	0.00, 1.00, 0.36, 0.27
HSL	322°, 100%, 37%
HSV	322°, 100%, 73%
XYZ	23.7956, 11.8645, 18.7330
YIQ	69.5930, 72.9320, 76.9640

Conversions

Conversions Part 2

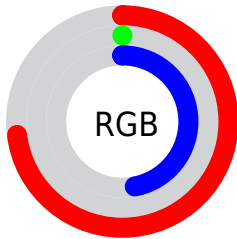
Format	Color
R_{YB}	187, 0, 120
Decimal	12255352
CIE _{Lab}	41.00, 69.44, -12.96
CIE _{LCh}	41, 70.639, 349.428
Yxy	11.8645, 0.4375, 0.2181
Android (android.graphics.Color)	4290445432 (0xFFBB0078)
YUV	69.5930, 24.8507, 102.9659
Hunter-Lab	34.4449, 63.0343, -8.1336

Details

The CIELCh color **41, 70.639, 349.428** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **66, 80.308, 143.070**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 70.580, 349.654**, and **27, 51.757, 355.691** is the 20% darker color. If you saturate the color by 10%, you get **41, 70.554, 349.449**, and if you desaturate by 10%, it is **42, 69.734, 347.087**.

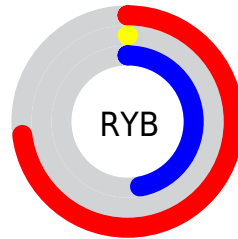
Distribution



Red (73%)

Green (0%)

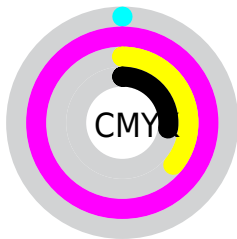
Blue (47%)



Red (73%)

Yellow (0%)

Blue (47%)

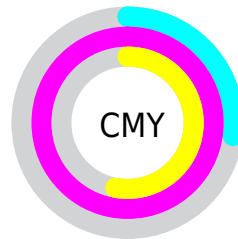


Cyan (0%)

Magenta (100%)

Yellow (36%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 70.639, 349.428 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 41, 70.639, 349.428 by changing the saturation by 10% instead.


 41, 70.639,
349.428


 41, 70.639,
349.428


 100, 70.639,
349.428


 31, 70.639,
349.428

 61, 70.639,
349.428


 21, 70.639,
349.428

 71, 70.639,
349.428

 11, 70.639,
349.428

 81, 70.639,
349.428

 1, 70.639, 349.428

 91, 70.639,
349.428

 0, 70.639, 349.428

 41, 70.639,

 41, 70.639,

349.428

349.428

■ 41, 70.554,
349.449

■ 42, 69.734,
347.087

■ 44, 67.117,
345.115

■ 46, 62.345,
343.505

■ 49, 55.704,
342.160

■ 53, 47.647,
341.006

■ 57, 38.648,
339.987

■ 61, 29.117,
339.070

■ 66, 19.367,
338.228

Harmonies

Complementary

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



41, 70.639, 349.428



66, 80.308, 143.070

Rectangle

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



41, 70.639, 349.428



41, 70.639, 39.428



41, 70.639, 169.428



41, 70.639, 219.428

Sweetspot

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



41, 70.554, 349.449



78, 35.973, 339.113



26, 101.834, 309.028



39, 24.715, 339.493



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



41, 70.554, 349.449



53, 85.509, 349.926



39, 76.039, 32.988



37, 5.494, 337.389



34, 62.533, 349.086



3, 15.331, 343.219

Inverse Universe

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



41, 70.554, 349.449



53, 85.509, 349.926



68, 46.207, 176.212



37, 5.494, 337.389



34, 62.533, 349.086



3, 15.331, 343.219

Previews

White Background



This preview shows how the CIELCh color 41, 70.639, 349.428 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 41, 70.639, 349.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

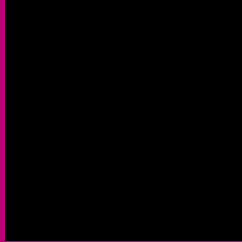
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 70.639, 349.428

Background



This preview shows how black text looks on a background with the CIELCh color 41, 70.639, 349.428.

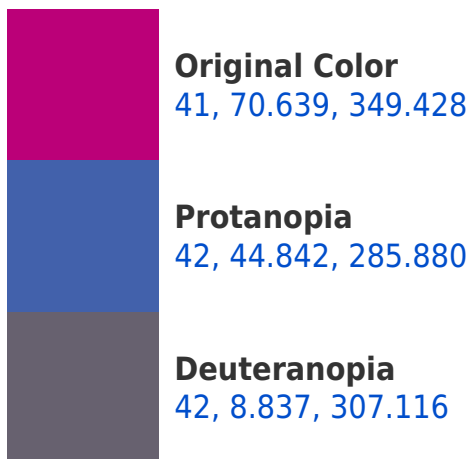


This preview shows how white text looks on a background with the CIELCh color 41, 70.639, 349.428.

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, 62.360, 30.689

Trichromacy



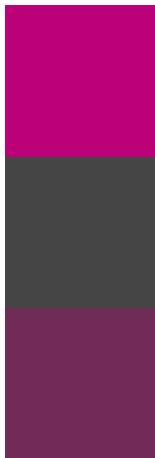
Original Color
41, 70.639, 349.428

Protanomaly
36, 56.664, 312.978

Deuteranomaly
37, 40.719, 336.843

Tritanomaly
41, 62.369, 13.602

Monochromacy



Original Color
41, 70.639, 349.428

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 37.139, 342.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 70.639, 349.428 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(187, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 120)  
}
```

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(187, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 70.639, 349.428 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(187, 0, 120) }
```

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

```
.border{ border-color:rgb(187, 0, 120) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 70.639, 349.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 120) }
```

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

```
.background{ background-color: rgb(187, 0,  
120) }
```

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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