

Converting Colors

CIELCh(42, 76.074, 341.412)

Have a look what the booklet for
CIELCh(42, 76.074, 341.412)
contains.

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Color

CIELCh(42, 75.890, 341.379)

Conversions

Conversions Part 1

Format	Color
Hex	BB008D
RGB	187, 0, 141
RGB Percent	73%, 0%, 55%
CMY	0.2648, 1.0000, 0.4489
CMYK	0.00, 1.00, 0.25, 0.26
HSL	315°, 100%, 37%
HSV	315°, 100%, 74%
XYZ	25.3665, 12.5000, 26.0959
YIQ	71.9870, 66.1910, 83.4950

Conversions

Conversions Part 2

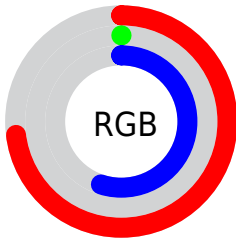
Format	Color
R_{YB}	187, 0, 141
Decimal	12255373
CIE _{Lab}	42.00, 71.92, -24.23
CIE _{LCh}	42, 75.890, 341.379
Yxy	12.5000, 0.3966, 0.1954
Android (android.graphics.Color)	4290445453 (0xFFBB008D)
YUV	71.9870, 34.0234, 100.8664
Hunter-Lab	35.3553, 66.1973, -19.0134

Details

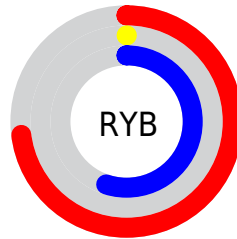
The CIELCh color **42, 75.890, 341.379** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **66, 86.976, 139.728**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 75.748, 341.025**, and **28, 55.922, 344.399** is the 20% darker color. If you saturate the color by 10%, you get **42, 75.716, 341.400**, and if you desaturate by 10%, it is **43, 74.800, 339.990**.

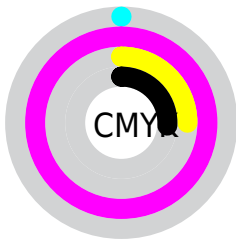
Distribution



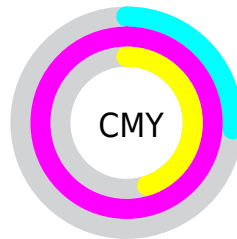
- Red (73%)
- Green (0%)
- Blue (55%)



- Red (73%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 75.890, 341.379 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, 75.890, 341.379 by changing the saturation by 10% instead.


 42, 75.890,
341.379


 42, 75.890,
341.379


 100, 75.890,
341.379


 32, 75.890,
341.379

 62, 75.890,
341.379


 22, 75.890,
341.379

 72, 75.890,
341.379

 12, 75.890,
341.379

 82, 75.890,
341.379

 2, 75.890, 341.379

 92, 75.890,
341.379

 0, 75.890, 341.379

 42, 75.890,

 42, 75.890,

341.379

341.379

■ 42, 75.716,
341.400

■ 43, 74.800,
339.990

■ 44, 71.976,
338.768

■ 47, 66.895,
337.713

■ 50, 59.842,
336.777

■ 53, 51.270,
335.923

■ 57, 41.664,
335.127

■ 62, 31.448,
334.376

■ 66, 20.955,
333.660

■ 71, 10.422,
332.969

Harmonies

Complementary

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



42, 75.890, 341.379



66, 86.976, 139.728

Rectangle

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



42, 75.890, 341.379



42, 75.890, 31.379



42, 75.890, 161.379



42, 75.890, 211.379

Sweetspot

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



42, 75.716, 341.400



79, 39.053, 334.412



24, 103.893, 307.727



39, 26.583, 334.725



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



42, 75.716, 341.400



55, 92.239, 341.681



39, 71.511, 25.536



37, 5.935, 332.924



35, 66.898, 341.186



3, 16.805, 336.977

Inverse Universe

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



42, 75.716, 341.400



55, 92.239, 341.681



68, 52.618, 166.055



37, 5.935, 332.924



35, 66.898, 341.186



3, 16.805, 336.977

Previews

White Background



This preview shows how the CIELCh color 42, 75.890, 341.379 looks on a white background.

Color Contrast Check

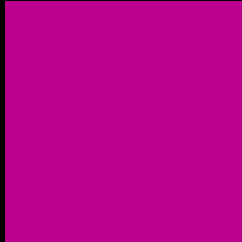
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.890, 341.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

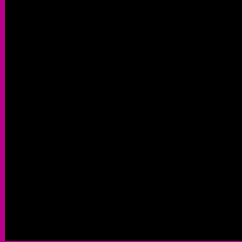
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 75.890, 341.379

Background



This preview shows how black text looks on a background with the CIELCh color 42, 75.890, 341.379.



This preview shows how white text looks on a background with the CIELCh color 42, 75.890, 341.379.

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, 75.807, 341.104

Protanopia

43, 61.282, 287.543

Deuteranopia

43, 18.677, 288.400



Tritanopia
43, 57.797, 28.542

Trichromacy



Original Color
42, 75.807, 341.104

Protanomaly
36, 70.900, 306.128

Deuteranomaly
38, 47.465, 324.895

Tritanomaly
41, 60.473, 6.822

Monochromacy



Original Color
42, 75.807, 341.104

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 39.998, 336.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 75.890, 341.379 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 75.890, 341.379 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, 141) }
```

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

```
.border{ border-color:rgb(187, 0, 141) }
```

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, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 75.890, 341.379 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, 141) }
```

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

```
.background{ background-color: rgb(187, 0,  
141) }
```

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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