

Converting Colors

CIELCh(42, 75.037, 342.783)

Have a look what the booklet for
CIELCh(42, 75.037, 342.783)
contains.

CIELCh(42, 74.787, 342.842)	3
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Color

CIELCh(42, 74.787, 342.842)

Conversions

Conversions Part 1

Format	Color
Hex	BC0089
RGB	188, 0, 137
RGB Percent	74%, 0%, 54%
CMY	0.2627, 0.9997, 0.4627
CMYK	0.00, 1.00, 0.27, 0.26
HSL	316°, 100%, 37%
HSV	316°, 100%, 74%
XYZ	25.2583, 12.5000, 24.7525
YIQ	71.8300, 68.0710, 82.4630

Conversions

Conversions Part 2

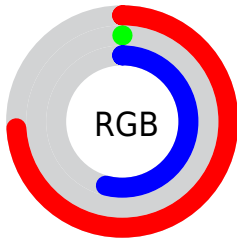
Format	Color
RYB	188, 0, 137
Decimal	12320905
CIELab	42.00, 71.46, -22.06
CIElCh	42, 74.787, 342.842
Yxy	12.5000, 0.4041, 0.2000
Android (android.graphics.Color)	4290510985 (0xFFBC0089)
YUV	71.8300, 32.1288, 101.8811
Hunter-Lab	35.3553, 65.6506, -16.7606

Details

The CIELCh color **42, 74.787, 342.842** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **67, 86.015, 140.292**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.786, 342.626**, and **28, 55.134, 346.077** is the 20% darker color. If you saturate the color by 10%, you get **42, 74.786, 342.848**, and if you desaturate by 10%, it is **43, 73.917, 341.264**.

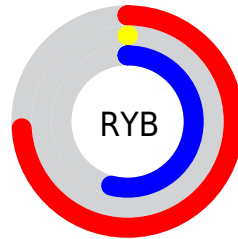
Distribution



Red (74%)

Green (0%)

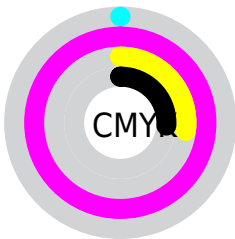
Blue (54%)



Red (74%)

Yellow (0%)

Blue (54%)

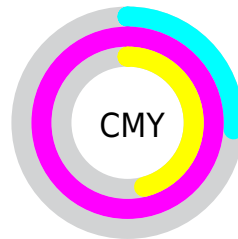


Cyan (0%)

Magenta (100%)

Yellow (27%)

Black (26%)



Cyan (26%)

Magenta (100%)

Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 74.787, 342.842 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, 74.787, 342.842 by changing the saturation by 10% instead.

 42, 74.787,
342.842

 42, 74.787,
342.842


 100, 74.787,
342.842

 32, 74.787,
342.842

 62, 74.787,
342.842


 22, 74.787,
342.842

 72, 74.787,
342.842

 12, 74.787,
342.842

 82, 74.787,
342.842

 2, 74.787, 342.842

 92, 74.787,
342.842

 0, 74.787, 342.842

 42, 74.787,

 42, 74.787,

342.842

342.842

■ 42, 74.786,
342.848

■ 43, 73.917,
341.264

■ 44, 71.143,
339.910

■ 47, 66.121,
338.758

■ 50, 59.137,
337.750

■ 53, 50.648,
336.842

■ 57, 41.139,
336.007

■ 62, 31.033,
335.226

■ 66, 20.660,
334.488

■ 71, 10.255,
333.779

Harmonies

Complementary

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



42, 74.787, 342.842



67, 86.015, 140.292

Rectangle

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



42, 74.787, 342.842



42, 74.787, 32.842



42, 74.787, 162.842



42, 74.787, 212.842

Sweetspot

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



42, 74.784, 342.842



79, 38.493, 335.266



25, 103.832, 307.909



39, 26.206, 335.591



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, 74.784, 342.842



55, 90.905, 343.161



39, 72.378, 26.905



37, 5.847, 333.736



35, 65.946, 342.602



3, 16.489, 338.160

Inverse Universe

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



42, 74.784, 342.842



55, 90.905, 343.161



68, 51.609, 167.583



37, 5.847, 333.736



35, 65.946, 342.602



3, 16.489, 338.160

Previews

White Background



This preview shows how the CIELCh color 42, 74.787, 342.842 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, 74.787, 342.842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

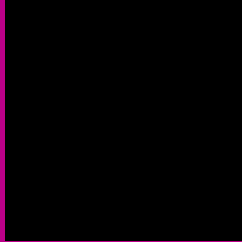
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 74.787, 342.842

Background



This preview shows how black text looks on a background with the CIELCh color 42, 74.787, 342.842.



This preview shows how white text looks on a background with the CIELCh color 42, 74.787, 342.842.

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, 74.787, 342.842

Protanopia

43, 58.351, 287.259

Deuteranopia

43, 16.855, 290.080



Tritanopia
43, 58.704, 28.812

Trichromacy



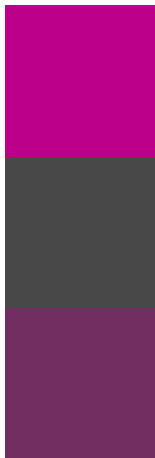
Original Color
42, 74.787, 342.842

Protanomaly
36, 68.619, 307.389

Deuteranomaly
38, 46.315, 327.006

Tritanomaly
41, 61.020, 8.053

Monochromacy



Original Color
42, 74.787, 342.842

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 39.615, 337.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 74.787, 342.842 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(188, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 137)  
}
```

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(188, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 74.787, 342.842 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(188, 0, 137) }
```

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

```
.border{ border-color:rgb(188, 0, 137) }
```

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

Here you see how a box with a 4 pixel rgb(188, 0, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 74.787, 342.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 137) }
```

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

```
.background{ background-color: rgb(188, 0,  
137) }
```

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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