

Converting Colors

CIELCh(42, 77.819, 338.425)

Have a look what the booklet for
CIELCh(42, 77.819, 338.425)
contains.

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Color

CIELCh(42, 77.819, 338.425)

Conversions

Conversions Part 1

Format	Color
Hex	BA0094
RGB	186, 0, 148
RGB Percent	73%, 0%, 58%
CMY	0.2720, 1.0000, 0.4208
CMYK	0.00, 1.00, 0.20, 0.27
HSL	312°, 100%, 36%
HSV	312°, 100%, 73%
XYZ	25.4729, 12.5000, 28.9568
YIQ	72.4860, 63.3480, 85.4600

Conversions

Conversions Part 2

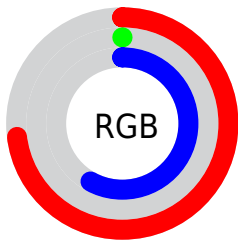
Format	Color
RYB	186, 0, 148
Decimal	12189844
CIELab	42.00, 72.37, -28.62
CIELCh	42, 77.819, 338.425
Yxy	12.5000, 0.3806, 0.1868
Android (android.graphics.Color)	4290379924 (0xFFBA0094)
YUV	72.4860, 37.2284, 99.5518
Hunter-Lab	35.3553, 66.7345, -23.8110

Details

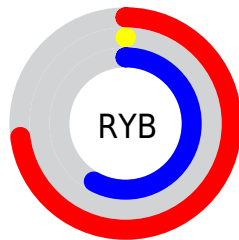
The CIELCh color $42, 77.819, 338.425$ is a dark color, and the websafe version is hex `CC0099`. A complement of this color would be $66, 88.560, 138.654$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 77.701, 338.536$, and $28, 57.876, 340.354$ is the 20% darker color. If you saturate the color by 10%, you get $42, 77.701, 338.435$, and if you desaturate by 10%, it is $43, 76.628, 337.361$.

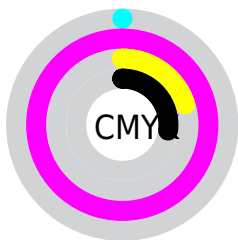
Distribution



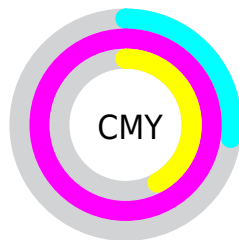
- Red (73%)
- Green (0%)
- Blue (58%)



- Red (73%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 77.819, 338.425 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, 77.819, 338.425 by changing the saturation by 10% instead.

 42, 77.819,
338.425


 42, 77.819,
338.425

 100, 77.819,
338.425

 32, 77.819,
338.425

 62, 77.819,
338.425

 22, 77.819,
338.425


 72, 77.819,
338.425

 12, 77.819,
338.425

 82, 77.819,
338.425

 2, 77.819, 338.425

 92, 77.819,
338.425

 0, 77.819, 338.425

 42, 77.819,

 42, 77.819,

338.425

338.425

■ 42, 77.701,
338.435

■ 43, 76.628,
337.361

■ 44, 73.650,
336.403

■ 47, 68.415,
335.546

■ 49, 61.200,
334.756

■ 53, 52.448,
334.010

■ 57, 42.640,
333.294

■ 61, 32.201,
332.603

■ 66, 21.468,
331.932

■ 70, 10.682,
331.276

Harmonies

Complementary

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



42, 77.819, 338.425



66, 88.560, 138.654

Rectangle

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



42, 77.819, 338.425



42, 77.819, 28.425



42, 77.819, 158.425



42, 77.819, 208.425

Sweetspot

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



42, 77.701, 338.435



78, 39.967, 332.637



23, 103.839, 307.256



39, 27.431, 332.928



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, 77.701, 338.435



55, 94.633, 338.645



39, 69.088, 21.133



36, 5.995, 331.232



35, 68.319, 338.267



3, 15.322, 334.144

Inverse Universe

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



42, 77.701, 338.435



55, 94.633, 338.645



67, 55.656, 161.848



36, 5.995, 331.232



35, 68.319, 338.267



3, 15.322, 334.144

Previews

White Background



This preview shows how the CIELCh color 42, 77.819, 338.425 looks on a white background.

Color Contrast Check

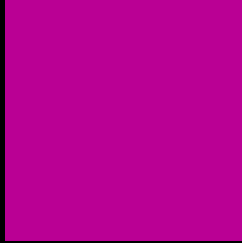
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.819, 338.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

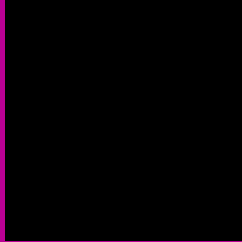
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 77.819, 338.425

Background



This preview shows how black text looks on a background with the CIELCh color 42, 77.819, 338.425.



This preview shows how white text looks on a background with the CIELCh color 42, 77.819, 338.425.

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, 77.819, 338.425

Protanopia

43, 66.672, 287.359

Deuteranopia

43, 22.974, 285.659



Tritanopia
43, 55.475, 27.811

Trichromacy



Original Color
42, 77.819, 338.425

Protanomaly
35, 76.522, 301.820

Deuteranomaly
38, 50.972, 320.471

Tritanomaly
41, 59.499, 3.750

Monochromacy



Original Color
42, 77.819, 338.425

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 41.012, 334.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 77.819, 338.425 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(186, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 148)  
}
```

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(186, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 77.819, 338.425 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(186, 0, 148) }
```

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

```
.border{ border-color:rgb(186, 0, 148) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 77.819, 338.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 148) }
```

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

```
.background{ background-color: rgb(186, 0,  
148) }
```

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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