

Converting Colors

CIELCh(42, 77.708, 338.595)

Have a look what the booklet for
CIELCh(42, 77.708, 338.595)
contains.

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Color

CIELCh(42, 77.511, 338.758)

Conversions

Conversions Part 1

Format	Color
Hex	BA0093
RGB	186, 0, 147
RGB Percent	73%, 0%, 58%
CMY	0.2714, 1.0000, 0.4243
CMYK	0.00, 1.00, 0.21, 0.27
HSL	313°, 100%, 36%
HSV	313°, 100%, 73%
XYZ	25.4440, 12.5000, 28.5985
YIQ	72.3720, 63.6690, 85.1490

Conversions

Conversions Part 2

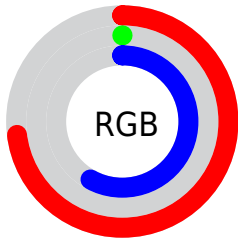
Format	Color
R_{YB}	186, 0, 147
Decimal	12189843
CIE _{Lab}	42.00, 72.24, -28.08
CIE _{LCh}	42, 77.511, 338.758
Yxy	12.5000, 0.3824, 0.1878
Android (android.graphics.Color)	4290379923 (0xFFBA0093)
YUV	72.3720, 36.7916, 99.6518
Hunter-Lab	35.3553, 66.5886, -23.2102

Details

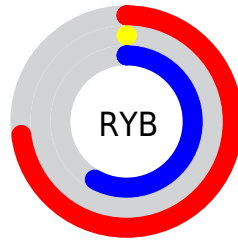
The CIELCh color **42, 77.511, 338.758** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **66, 88.369, 138.769**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 77.390, 338.847**, and **28, 57.565, 340.853** is the 20% darker color. If you saturate the color by 10%, you get **42, 77.441, 338.764**, and if you desaturate by 10%, it is **43, 76.388, 337.654**.

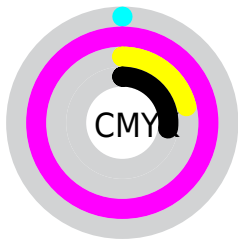
Distribution



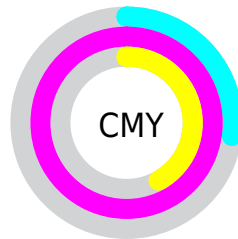
- Red (73%)
- Green (0%)
- Blue (58%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (27%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 77.511, 338.758 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, 77.511, 338.758 by changing the saturation by 10% instead.


 42, 77.511,
338.758


 42, 77.511,
338.758

 100, 77.511,
338.758

 32, 77.511,
338.758

 62, 77.511,
338.758


 22, 77.511,
338.758

 72, 77.511,
338.758

 12, 77.511,
338.758

 82, 77.511,
338.758

 2, 77.511, 338.758

 92, 77.511,
338.758

 0, 77.511, 338.758

 42, 77.511,

 42, 77.511,

338.758

338.758

■ 42, 77.441,
338.764

■ 43, 76.388,
337.654

■ 44, 73.430,
336.667

■ 47, 68.216,
335.788

■ 49, 61.022,
334.982

■ 53, 52.294,
334.224

■ 57, 42.513,
333.500

■ 61, 32.104,
332.802

■ 66, 21.401,
332.126

■ 71, 10.649,
331.467

Harmonies

Complementary

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



42, 77.511, 338.758



66, 88.369, 138.769

Rectangle

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



42, 77.511, 338.758



42, 77.511, 28.758



42, 77.511, 158.758



42, 77.511, 208.758

Sweetspot

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



42, 77.441, 338.764



78, 39.820, 332.836



23, 103.900, 307.255



39, 27.331, 333.129



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, 77.441, 338.764



55, 94.257, 338.982



39, 69.130, 21.136



36, 5.972, 331.422



35, 68.054, 338.589



3, 15.245, 334.423

Inverse Universe

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



42, 77.441, 338.764



55, 94.257, 338.982



67, 55.690, 161.847



36, 5.972, 331.422



35, 68.054, 338.589



3, 15.245, 334.423

Previews

White Background



This preview shows how the CIELCh color 42, 77.511, 338.758 looks on a white background.

Color Contrast Check

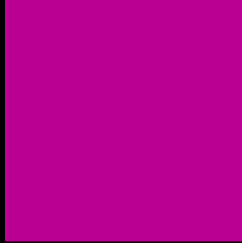
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.511, 338.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

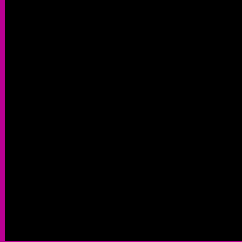
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 77.511, 338.758

Background



This preview shows how black text looks on a background with the CIELCh color 42, 77.511, 338.758.



This preview shows how white text looks on a background with the CIELCh color 42, 77.511, 338.758.

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, 77.511, 338.758

Protanopia

43, 66.065, 287.417

Deuteranopia

43, 22.974, 285.659



Tritanopia
43, 55.475, 27.811

Trichromacy



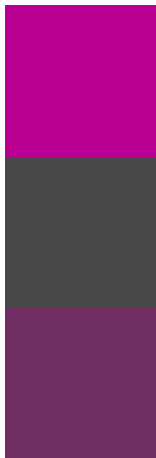
Original Color
42, 77.511, 338.758

Protanomaly
35, 75.825, 302.519

Deuteranomaly
38, 50.474, 320.776

Tritanomaly
41, 59.456, 4.324

Monochromacy



Original Color
42, 77.511, 338.758

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 40.607, 334.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 77.511, 338.758 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 77.511, 338.758 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, 147) }
```

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

```
.border{ border-color:rgb(186, 0, 147) }
```

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, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 77.511, 338.758 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, 147) }
```

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

```
.background{ background-color: rgb(186, 0,  
147) }
```

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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