

Converting Colors

CIELCh(37, 94.679, 337.996)

Have a look what the booklet for
CIELCh(37, 94.679, 337.996)
contains.

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Color

CIELCh(42, 77.273, 339.364)

Conversions

Conversions Part 1

Format	Color
Hex	BA0091
RGB	186, 0, 145
RGB Percent	73%, 0%, 57%
CMY	0.2692, 1.0000, 0.4297
CMYK	0.00, 1.00, 0.22, 0.27
HSL	313°, 100%, 37%
HSV	313°, 100%, 73%
XYZ	25.4607, 12.5000, 28.0332
YIQ	72.1440, 64.3110, 84.5270

Conversions

Conversions Part 2

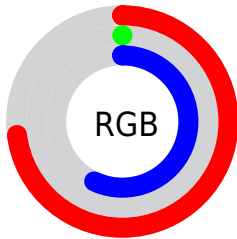
Format	Color
RYB	186, 0, 145
Decimal	12189841
CIELab	42.00, 72.32, -27.23
CIELCh	42, 77.273, 339.364
Yxy	12.5000, 0.3858, 0.1894
Android (android.graphics.Color)	4290379921 (0xFFBA0091)
YUV	72.1440, 35.9180, 99.8517
Hunter-Lab	35.3553, 66.6726, -22.2622

Details

The CIELCh color **42, 77.273, 339.364** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **66, 88.116, 138.987**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 76.778, 339.479**, and **28, 56.958, 341.872** is the 20% darker color. If you saturate the color by 10%, you get **42, 77.058, 339.384**, and if you desaturate by 10%, it is **43, 76.044, 338.204**.

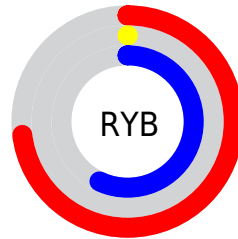
Distribution



Red (73%)

Green (0%)

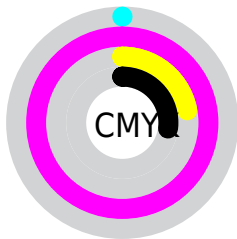
Blue (57%)



Red (73%)

Yellow (0%)

Blue (57%)

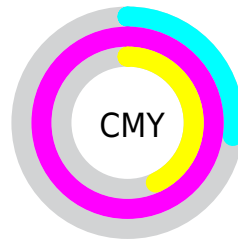


Cyan (0%)

Magenta (100%)

Yellow (22%)

Black (27%)



Cyan (27%)

Magenta (100%)

Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 77.273, 339.364 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, 77.273, 339.364 by changing the saturation by 10% instead.

 42, 77.273,
339.364

 42, 77.273,
339.364

 100, 77.273,
339.364

 32, 77.273,
339.364

 62, 77.273,
339.364

 22, 77.273,
339.364

 72, 77.273,
339.364

 12, 77.273,
339.364

 82, 77.273,
339.364

 2, 77.273, 339.364

 92, 77.273,
339.364

 0, 77.273, 339.364

 42, 77.273,

 42, 77.273,

339.364

339.364

■ 42, 77.058,
339.384

■ 43, 76.044,
338.204

■ 44, 73.120,
337.163

■ 47, 67.937,
336.243

■ 50, 60.774,
335.407

■ 53, 52.080,
334.626

■ 57, 42.335,
333.885

■ 61, 31.966,
333.175

■ 66, 21.308,
332.490

■ 71, 10.601,
331.823

Harmonies

Complementary

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



42, 77.273, 339.364



66, 88.116, 138.987

Rectangle

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



42, 77.273, 339.364



42, 77.273, 29.364



42, 77.273, 159.364



42, 77.273, 209.364

Sweetspot

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



42, 77.058, 339.384



78, 39.551, 333.209



24, 103.916, 307.401



39, 27.148, 333.507



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, 77.058, 339.384



55, 93.573, 339.614



39, 69.873, 22.639



37, 6.066, 331.780



35, 68.369, 339.213



3, 17.295, 335.275

Inverse Universe

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



42, 77.058, 339.384



55, 93.573, 339.614



67, 54.656, 163.193



37, 6.066, 331.780



35, 68.369, 339.213



3, 17.295, 335.275

Previews

White Background



This preview shows how the CIELCh color 42, 77.273, 339.364 looks on a white background.

Color Contrast Check

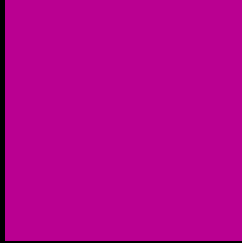
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 77.273, 339.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

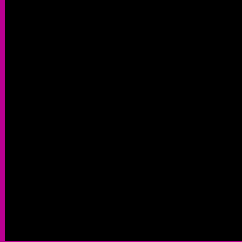
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 77.273, 339.364

Background



This preview shows how black text looks on a background with the CIELCh color 42, 77.273, 339.364.



This preview shows how white text looks on a background with the CIELCh color 42, 77.273, 339.364.

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, 76.904, 339.433

Protanopia

43, 64.855, 287.524

Deuteranopia

43, 21.758, 285.884



Tritanopia
43, 56.391, 28.080

Trichromacy



Original Color
42, 76.904, 339.433



Protanomaly
35, 74.467, 303.950



Deuteranomaly
38, 49.570, 321.824



Tritanomaly
41, 59.979, 5.008

Monochromacy



Original Color
42, 76.904, 339.433



Achromatopsia
31, 0.005, 296.813



Achromatomaly
30, 40.782, 335.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 77.273, 339.364 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 77.273, 339.364 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, 145) }
```

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

```
.border{ border-color:rgb(186, 0, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 77.273, 339.364 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, 145) }
```

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

```
.background{ background-color: rgb(186, 0,  
145) }
```

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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