

Converting Colors

CIELCh(42, 76.010, 340.536)

Have a look what the booklet for
CIELCh(42, 76.010, 340.536)
contains.

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Color

CIELCh(42, 75.984, 340.761)

Conversions

Conversions Part 1

Format	Color
Hex	BB008E
RGB	187, 0, 142
RGB Percent	73%, 0%, 56%
CMY	0.2674, 0.9981, 0.4438
CMYK	0.00, 1.00, 0.24, 0.27
HSL	314°, 99%, 37%
HSV	314°, 100%, 73%
XYZ	25.3248, 12.5000, 26.6067
YIQ	72.1010, 65.8700, 83.8060

Conversions

Conversions Part 2

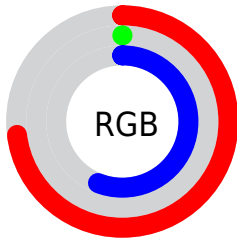
Format	Color
R_{YB}	187, 0, 142
Decimal	12255374
CIE _{Lab}	42.00, 71.74, -25.04
CIE _{LCh}	42, 75.984, 340.761
Yxy	12.5000, 0.3930, 0.1940
Android (android.graphics.Color)	4290445454 (0xFFBB008E)
YUV	72.1010, 34.4602, 100.7664
Hunter-Lab	35.3553, 65.9864, -19.8699

Details

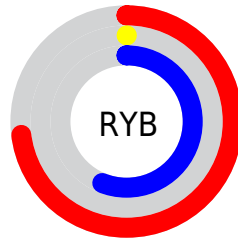
The CIELCh color **42, 75.984, 340.761** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **66, 87.091, 139.543**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 76.040, 340.695**, and **28, 56.197, 343.854** is the 20% darker color. If you saturate the color by 10%, you get **42, 76.001, 340.796**, and if you desaturate by 10%, it is **43, 75.012, 339.424**.

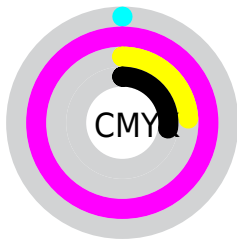
Distribution



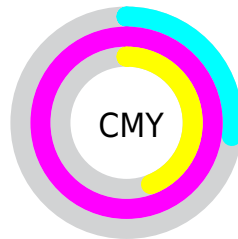
- Red (73%)
- Green (0%)
- Blue (56%)



- Red (73%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 75.984, 340.761 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, 75.984, 340.761 by changing the saturation by 10% instead.


 42, 75.984,
340.761


 42, 75.984,
340.761


 100, 75.984,
340.761


 32, 75.984,
340.761

 62, 75.984,
340.761


 22, 75.984,
340.761

 72, 75.984,
340.761

 12, 75.984,
340.761

 82, 75.984,
340.761

 2, 75.984, 340.761

 92, 75.984,
340.761

 0, 75.984, 340.761

 42, 75.984,

 42, 75.984,

340.761

340.761

■ 42, 76.001,
340.796

■ 43, 75.012,
339.424

■ 44, 72.103,
338.261

■ 47, 66.944,
337.250

■ 50, 59.823,
336.347

■ 53, 51.196,
335.516

■ 57, 41.542,
334.738

■ 62, 31.286,
334.000

■ 66, 20.756,
333.294

■ 71, 10.190,
332.611

Harmonies

Complementary

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



42, 75.984, 340.761



66, 87.091, 139.543

Rectangle

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



42, 75.984, 340.761



42, 75.984, 30.761



42, 75.984, 160.761



42, 75.984, 210.761

Sweetspot

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



42, 75.981, 340.761



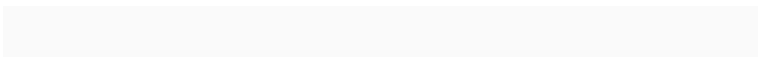
78, 38.963, 334.054



24, 103.733, 307.551



39, 26.747, 334.363



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, 75.981, 340.761



54, 92.107, 341.057



39, 70.525, 23.976



37, 5.973, 332.584



35, 67.319, 340.597



3, 16.945, 336.475

Inverse Universe

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



42, 75.981, 340.761



54, 92.107, 341.057



67, 53.546, 164.646



37, 5.973, 332.584



35, 67.319, 340.597



3, 16.945, 336.475

Previews

White Background



This preview shows how the CIELCh color 42, 75.984, 340.761 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, 75.984, 340.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

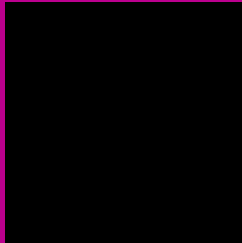
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 75.984, 340.761

Background



This preview shows how black text looks on a background with the CIELCh color 42, 75.984, 340.761.

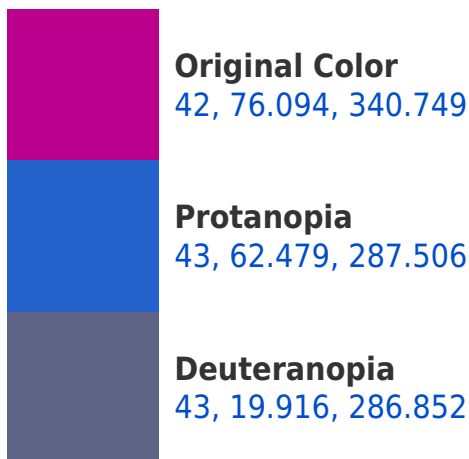


This preview shows how white text looks on a background with the CIELCh color 42, 75.984, 340.761.

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





Tritanopia
43, 56.887, 28.272

Trichromacy



Original Color
42, 76.094, 340.749

Protanomaly
36, 71.452, 305.253

Deuteranomaly
38, 48.307, 323.707

Tritanomaly
41, 59.930, 6.151

Monochromacy



Original Color
42, 76.094, 340.749

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, 75.984, 340.761 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 75.984, 340.761 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, 142) }
```

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

```
.border{ border-color:rgb(187, 0, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 75.984, 340.761 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, 142) }
```

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

```
.background{ background-color: rgb(187, 0,  
142) }
```

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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