

Converting Colors

CIELCh(40, 73.941, 340.022)

Have a look what the booklet for
CIELCh(40, 73.941, 340.022)
contains.

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Color

CIELCh(40, 73.941, 340.022)

Conversions

Conversions Part 1

Format	Color
Hex	B20089
RGB	178, 0, 137
RGB Percent	70%, 0%, 54%
CMY	0.3023, 1.0000, 0.4631
CMYK	0.00, 1.00, 0.23, 0.30
HSL	314°, 100%, 35%
HSV	314°, 100%, 70%
XYZ	22.8438, 11.2510, 24.6017
YIQ	68.8400, 62.1110, 80.3430

Conversions

Conversions Part 2

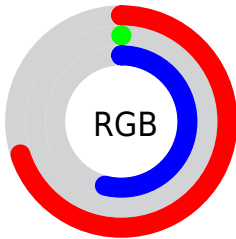
Format	Color
R_{YB}	178, 0, 137
Decimal	11665545
CIE _{Lab}	40.00, 69.49, -25.26
CIE _{LCh}	40, 73.941, 340.022
Yxy	11.2510, 0.3892, 0.1917
Android (android.graphics.Color)	4289855625 (0xFFB20089)
YUV	68.8400, 33.6029, 95.7333
Hunter-Lab	33.5425, 62.8665, -20.0065

Details

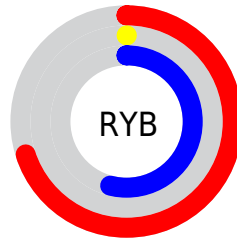
The CIELCh color **40, 73.941, 340.022** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **63, 84.498, 139.301**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 73.977, 340.016**, and **26, 54.103, 342.376** is the 20% darker color. If you saturate the color by 10%, you get **40, 73.908, 340.026**, and if you desaturate by 10%, it is **41, 72.869, 338.782**.

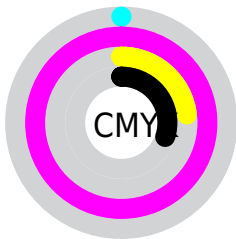
Distribution



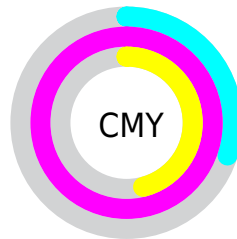
- Red (70%)
- Green (0%)
- Blue (54%)



- Red (70%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 73.941, 340.022 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 40, 73.941, 340.022 by changing the saturation by 10% instead.


 40, 73.941,
340.022


 40, 73.941,
340.022


 100, 73.941,
340.022


 30, 73.941,
340.022

 60, 73.941,
340.022


 20, 73.941,
340.022

 70, 73.941,
340.022

 10, 73.941,
340.022

 80, 73.941,
340.022

 0, 73.941, 340.022

 90, 73.941,
340.022

 40, 73.941,

 40, 73.941,

340.022

340.022

■ 40, 73.908,
340.026

■ 41, 72.869,
338.782

■ 42, 70.029,
337.687

■ 45, 65.028,
336.728

■ 47, 58.143,
335.862

■ 51, 49.805,
335.060

■ 55, 40.472,
334.304

■ 59, 30.552,
333.582

■ 63, 20.362,
332.889

■ 68, 10.129,
332.216

Harmonies

Complementary

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



40, 73.941, 340.022



63, 84.498, 139.301

Rectangle

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



40, 73.941, 340.022



40, 73.941, 30.022



40, 73.941, 160.022



40, 73.941, 210.022

Sweetspot

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



40, 73.908, 340.026



75, 37.913, 333.619



22, 100.356, 307.425



38, 26.026, 333.917



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40, 73.908, 340.026



52, 89.906, 340.284



37, 67.420, 22.429



35, 5.750, 332.171



34, 66.259, 339.851



2, 12.960, 335.119

Inverse Universe

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



40, 73.908, 340.026



52, 89.906, 340.284



64, 52.739, 163.271



35, 5.750, 332.171



34, 66.259, 339.851



2, 12.960, 335.119

Previews

White Background



This preview shows how the CIELCh color 40, 73.941, 340.022 looks on a white background.

Color Contrast Check

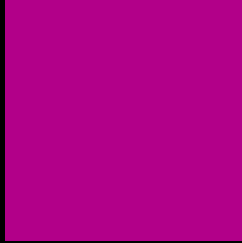
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 73.941, 340.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

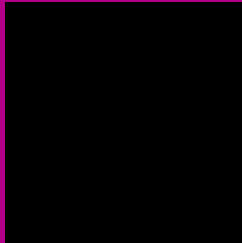
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 73.941, 340.022

Background



This preview shows how black text looks on a background with the CIELCh color 40, 73.941, 340.022.



This preview shows how white text looks on a background with the CIELCh color 40, 73.941, 340.022.

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

40, 73.941, 340.022

Protanopia

41, 60.588, 287.088

Deuteranopia

41, 20.089, 287.019



Tritanopia
41, 54.531, 28.023

Trichromacy



Original Color
40, 73.941, 340.022

Protanomaly
34, 69.594, 304.645

Deuteranomaly
36, 47.655, 322.826

Tritanomaly
39, 57.981, 5.440

Monochromacy



Original Color
40, 73.941, 340.022

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 39.066, 335.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 73.941, 340.022 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(178, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 73.941, 340.022 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(178, 0, 137) }
```

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

```
.border{ border-color:rgb(178, 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(178, 0, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 73.941, 340.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 137) }
```

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

```
.background{ background-color: rgb(178, 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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