

Converting Colors

CIELCh(40, 73.050, 342.380)

Have a look what the booklet for
CIELCh(40, 73.050, 342.380)
contains.

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Color

CIELCh(40, 72.676, 342.463)

Conversions

Conversions Part 1

Format	Color
Hex	B30083
RGB	179, 0, 131
RGB Percent	70%, 0%, 51%
CMY	0.2964, 1.0000, 0.4843
CMYK	0.00, 1.00, 0.27, 0.30
HSL	316°, 100%, 35%
HSV	316°, 100%, 70%
XYZ	22.8012, 11.2510, 22.6194
YIQ	68.4550, 64.6330, 78.6890

Conversions

Conversions Part 2

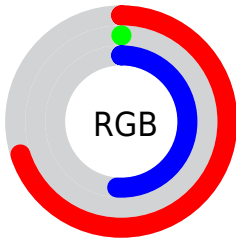
Format	Color
R_{YB}	179, 0, 131
Decimal	11731075
CIE _{Lab}	40.00, 69.30, -21.90
CIE _{LCh}	40, 72.676, 342.463
Yxy	11.2510, 0.4023, 0.1985
Android (android.graphics.Color)	4289921155 (0xFFB30083)
YUV	68.4550, 30.8347, 96.9480
Hunter-Lab	33.5425, 62.6399, -16.5026

Details

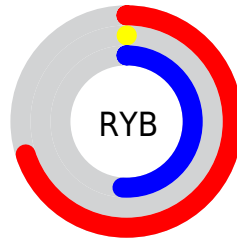
The CIELCh color **40, 72.676, 342.463** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **64, 83.190, 140.236**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 72.119, 342.711**, and **26, 52.563, 346.289** is the 20% darker color. If you saturate the color by 10%, you get **40, 72.484, 342.490**, and if you desaturate by 10%, it is **41, 71.550, 340.965**.

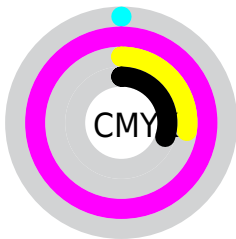
Distribution



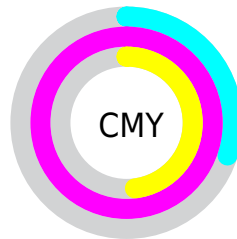
- Red (70%)
- Green (0%)
- Blue (51%)



- Red (70%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 72.676, 342.463 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, 72.676, 342.463 by changing the saturation by 10% instead.

 40, 72.676,
342.463


 40, 72.676,
342.463

 100, 72.676,
342.463

 30, 72.676,
342.463

 60, 72.676,
342.463

 20, 72.676,
342.463

 70, 72.676,
342.463

 10, 72.676,
342.463

 80, 72.676,
342.463

 0, 72.676, 342.463

 90, 72.676,
342.463

 40, 72.676,

 40, 72.676,

342.463

342.463

■ 40, 72.484,
342.490

■ 41, 71.550,
340.965

■ 42, 68.814,
339.648

■ 45, 63.921,
338.523

■ 48, 57.150,
337.535

■ 51, 48.940,
336.643

■ 55, 39.754,
335.819

■ 59, 29.996,
335.047

■ 64, 19.982,
334.316

Harmonies

Complementary

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



40, 72.676, 342.463



64, 83.190, 140.236

Rectangle

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



40, 72.676, 342.463



40, 72.676, 32.463



40, 72.676, 162.463



40, 72.676, 212.463

Sweetspot

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



40, 72.484, 342.490



75, 36.967, 335.085



23, 100.266, 307.937



38, 25.381, 335.402



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, 72.484, 342.490



52, 87.605, 342.801



37, 69.813, 26.716



35, 5.601, 333.565



34, 64.594, 342.262



2, 12.548, 337.030

Inverse Universe

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



40, 72.484, 342.490



52, 87.605, 342.801



65, 49.804, 167.649



35, 5.601, 333.565



34, 64.594, 342.262



2, 12.548, 337.030

Previews

White Background



This preview shows how the CIELCh color 40, 72.676, 342.463 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, 72.676, 342.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

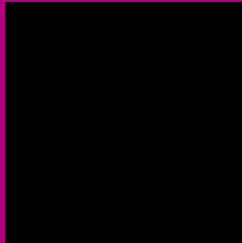
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 72.676, 342.463

Background



This preview shows how black text looks on a background with the CIELCh color 40, 72.676, 342.463.

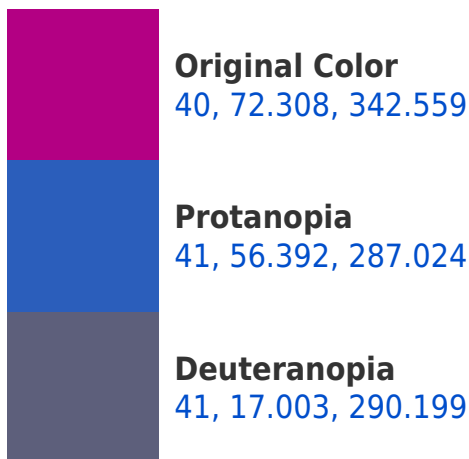


This preview shows how white text looks on a background with the CIELCh color 40, 72.676, 342.463.

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
41, 56.602, 29.136

Trichromacy



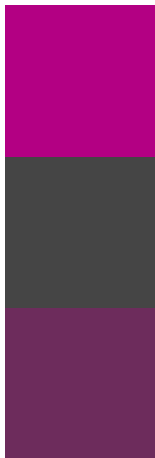
Original Color
40, 72.308, 342.559

Protanomaly
35, 66.069, 307.017

Deuteranomaly
36, 45.591, 326.137

Tritanomaly
39, 58.812, 8.181

Monochromacy



Original Color
40, 72.308, 342.559

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 38.284, 337.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 72.676, 342.463 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(179, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 131)  
}
```

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(179, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 72.676, 342.463 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(179, 0, 131) }
```

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

```
.border{ border-color:rgb(179, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 72.676, 342.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 131) }
```

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

```
.background{ background-color: rgb(179, 0,  
131) }
```

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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