

Converting Colors

CIELCh(40, 70.601, 346.203)

Have a look what the booklet for
CIELCh(40, 70.601, 346.203)
contains.

CIELCh(40, 70.485, 346.384)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 70.485, 346.384)

Conversions

Conversions Part 1

Format	Color
Hex	B5007B
RGB	181, 0, 123
RGB Percent	71%, 0%, 48%
CMY	0.2902, 1.0000, 0.5177
CMYK	0.00, 1.00, 0.32, 0.29
HSL	319°, 100%, 35%
HSV	319°, 100%, 71%
XYZ	22.6268, 11.2510, 19.7140
YIQ	68.1410, 68.3930, 76.6250

Conversions

Conversions Part 2

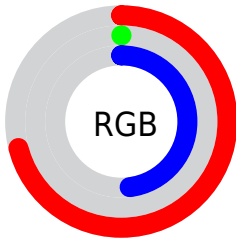
Format	Color
R_{YB}	181, 0, 123
Decimal	11862139
CIE _{Lab}	40.00, 68.50, -16.59
CIE _{LCh}	40, 70.485, 346.384
Yxy	11.2510, 0.4222, 0.2099
Android (android.graphics.Color)	4290052219 (0xFFB5007B)
YUV	68.1410, 27.0455, 98.9773
Hunter-Lab	33.5425, 61.7117, -11.3669

Details

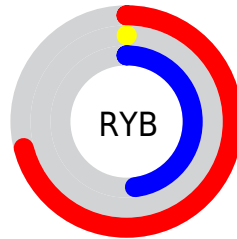
The CIELCh color **40, 70.485, 346.384** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **64, 80.722, 141.819**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 70.414, 346.221**, and **26, 51.301, 351.595** is the 20% darker color. If you saturate the color by 10%, you get **40, 70.480, 346.385**, and if you desaturate by 10%, it is **41, 69.628, 344.401**.

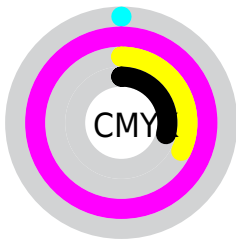
Distribution



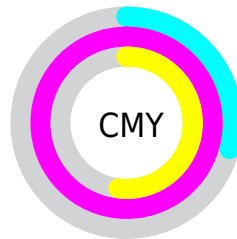
- Red (71%)
- Green (0%)
- Blue (48%)



- Red (71%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 70.485, 346.384 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, 70.485, 346.384 by changing the saturation by 10% instead.


 40, 70.485,
346.384


 40, 70.485,
346.384


 100, 70.485,
346.384


 30, 70.485,
346.384

 60, 70.485,
346.384


 20, 70.485,
346.384

 70, 70.485,
346.384

 10, 70.485,
346.384

 80, 70.485,
346.384

 0, 70.485, 346.384

 90, 70.485,
346.384

 40, 70.485,

 40, 70.485,

346.384

346.384

■ 40, 70.480,
346.385

■ 41, 69.628,
344.401

■ 43, 66.997,
342.723

■ 45, 62.234,
341.330

■ 48, 55.620,
340.145

■ 51, 47.599,
339.108

■ 55, 38.633,
338.177

■ 60, 29.126,
337.324

■ 64, 19.387,
336.532

Harmonies

Complementary

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



40, 70.485, 346.384



64, 80.722, 141.819

Rectangle

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



40, 70.485, 346.384



40, 70.485, 36.384



40, 70.485, 166.384



40, 70.485, 216.384

Sweetspot

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



40, 70.480, 346.385



75, 35.961, 337.365



24, 100.079, 308.563



38, 24.481, 337.712



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, 70.480, 346.385



52, 85.322, 346.795



38, 72.578, 30.591



35, 5.391, 335.730



34, 62.423, 346.069



2, 12.002, 339.886

Inverse Universe

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



40, 70.480, 346.385



52, 85.322, 346.795



66, 47.040, 172.596



35, 5.391, 335.730



34, 62.423, 346.069



2, 12.002, 339.886

Previews

White Background



This preview shows how the CIELCh color 40, 70.485, 346.384 looks on a white background.

Color Contrast Check

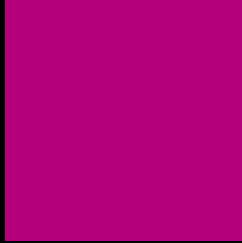
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.485, 346.384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

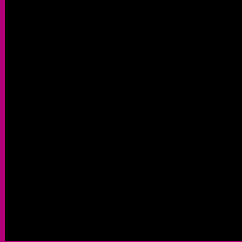
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 70.485, 346.384

Background



This preview shows how black text looks on a background with the CIELCh color 40, 70.485, 346.384.

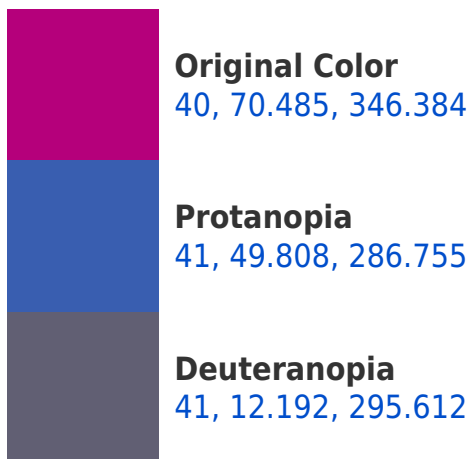


This preview shows how white text looks on a background with the CIELCh color 40, 70.485, 346.384.

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, 58.921, 29.875

Trichromacy



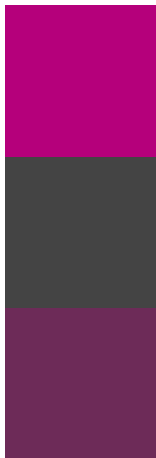
Original Color
40, 70.485, 346.384

Protanomaly
35, 60.507, 310.187

Deuteranomaly
36, 42.605, 331.902

Tritanomaly
40, 60.059, 11.271

Monochromacy



Original Color
40, 70.485, 346.384

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 37.383, 339.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 70.485, 346.384 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(181, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 123)  
}
```

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(181, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 70.485, 346.384 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(181, 0, 123) }
```

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

```
.border{ border-color:rgb(181, 0, 123) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 70.485, 346.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 123) }
```

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

```
.background{ background-color: rgb(181, 0,  
123) }
```

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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