

Converting Colors

CIELCh(36, 82.314, 344.810)

Have a look what the booklet for
CIELCh(36, 82.314, 344.810)
contains.

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Color

CIELCh(40, 69.894, 346.937)

Conversions

Conversions Part 1

Format	Color
Hex	B5027A
RGB	181, 2, 122
RGB Percent	71%, 1%, 48%
CMY	0.2909, 0.9908, 0.5227
CMYK	0.00, 0.99, 0.33, 0.29
HSL	320°, 97%, 36%
HSV	320°, 99%, 71%
XYZ	22.5352, 11.2510, 19.3011
YIQ	69.2010, 68.1640, 75.2680

Conversions

Conversions Part 2

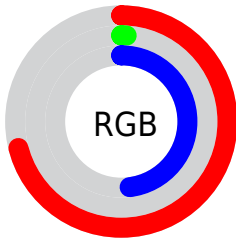
Format	Color
RYB	181, 2, 122
Decimal	11862650
CIELab	40.00, 68.09, -15.80
CIELCh	40, 69.894, 346.937
Yxy	11.2510, 0.4245, 0.2119
Android (android.graphics.Color)	4290052730 (0xFFB5027A)
YUV	69.2010, 26.0299, 98.0477
Hunter-Lab	33.5425, 61.2242, -10.6370

Details

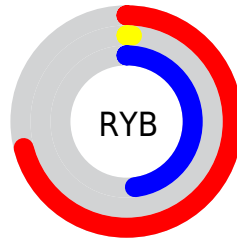
The CIELCh color **40, 69.894, 346.937** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **64, 79.411, 142.411**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 70.172, 346.612**, and **26, 51.113, 352.261** is the 20% darker color. If you saturate the color by 10%, you get **40, 69.984, 347.213**, and if you desaturate by 10%, it is **41, 68.917, 344.882**.

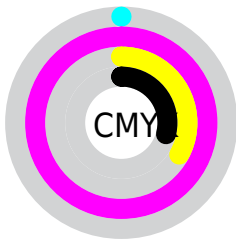
Distribution



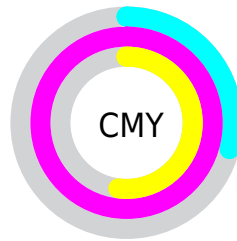
- Red (71%)
- Green (1%)
- Blue (48%)



- Red (71%)
- Yellow (1%)
- Blue (48%)



- Cyan (0%)
- Magenta (99%)
- Yellow (33%)
- Black (29%)





- Cyan (29%)
- Magenta (99%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 69.894, 346.937 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, 69.894, 346.937 by changing the saturation by 10% instead.


 40, 69.894,
346.937


 40, 69.894,
346.937


 100, 69.894,
346.937


 30, 69.894,
346.937

 60, 69.894,
346.937


 20, 69.894,
346.937

 70, 69.894,
346.937

 10, 69.894,
346.937

 80, 69.894,
346.937

 0, 69.894, 346.937

 90, 69.894,
346.937

 40, 69.894,

 40, 69.894,

346.937

346.937

■ 40, 69.984,
347.213

■ 41, 68.917,
344.882

■ 43, 66.020,
343.172

■ 45, 61.025,
341.755

■ 48, 54.243,
340.552

■ 52, 46.125,
339.501

■ 56, 37.130,
338.559

■ 60, 27.646,
337.699

■ 65, 17.969,
336.900

Harmonies

Complementary

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



40, 69.894, 346.937



64, 79.411, 142.411

Rectangle

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



40, 69.894, 346.937



40, 69.894, 36.937



40, 69.894, 166.937



40, 69.894, 216.937

Sweetspot

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



40, 69.891, 346.938



75, 35.699, 337.848



25, 99.335, 308.562



38, 24.305, 338.202



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, 69.891, 346.938



52, 84.776, 347.646



38, 71.838, 29.984



35, 5.350, 336.189



33, 62.024, 346.882



2, 11.900, 340.473

Inverse Universe

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



40, 69.891, 346.938



52, 84.776, 347.646



66, 46.784, 172.813



35, 5.350, 336.189



33, 62.024, 346.882



2, 11.900, 340.473

Previews

White Background



This preview shows how the CIELCh color 40, 69.894, 346.937 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 40, 69.894, 346.937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

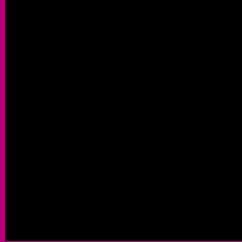
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 69.894, 346.937

Background



This preview shows how black text looks on a background with the CIELCh color 40, 69.894, 346.937.

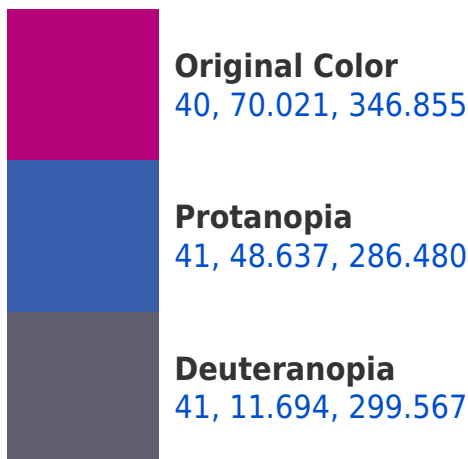


This preview shows how white text looks on a background with the CIELCh color 40, 69.894, 346.937.

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, 59.413, 30.076

Trichromacy



Original Color
40, 70.021, 346.855

Protanomaly
35, 58.794, 310.515

Deuteranomaly
36, 41.155, 333.062

Tritanomaly
40, 60.111, 11.850

Monochromacy



Original Color
40, 70.021, 346.855

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 36.434, 340.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 69.894, 346.937 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, 2, 122)` looks like.

```
.text, #text, p{  
    color:rgb(181, 2, 122)  
}
```

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, 2, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 2, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 69.894, 346.937 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, 2, 122) }
```

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

```
.border{ border-color:rgb(181, 2, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 2, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 2, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 2, 122);  
box-shadow:4px 4px 4px 4px rgb(181, 2,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 69.894, 346.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 2, 122) }
```

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

```
.background{ background-color: rgb(181, 2,  
122) }
```

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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