

Converting Colors

CIELCh(40, 75.119, 337.352)

Have a look what the booklet for
CIELCh(40, 75.119, 337.352)
contains.

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Color

CIELCh(40, 75.196, 337.400)

Conversions

Conversions Part 1

Format	Color
Hex	B0038F
RGB	176, 3, 143
RGB Percent	69%, 1%, 56%
CMY	0.3107, 0.9869, 0.4401
CMYK	0.00, 0.98, 0.19, 0.31
HSL	311°, 96%, 35%
HSV	311°, 98%, 69%
XYZ	22.8284, 11.2510, 26.8704
YIQ	70.6870, 58.1680, 80.2160

Conversions

Conversions Part 2

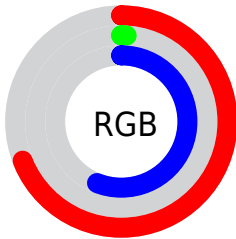
Format	Color
R_{YB}	176, 3, 143
Decimal	11535247
CIE _{Lab}	40.00, 69.42, -28.90
CIE _{LCh}	40, 75.196, 337.400
Yxy	11.2510, 0.3745, 0.1846
Android (android.graphics.Color)	4289725327 (0xFFB0038F)
YUV	70.6870, 35.6503, 92.3595
Hunter-Lab	33.5425, 62.7846, -24.0166

Details

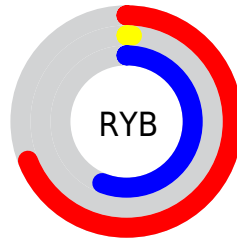
The CIELCh color **40, 75.196, 337.400** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **63, 84.697, 138.683**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 75.408, 337.311**, and **26, 55.579, 339.296** is the 20% darker color. If you saturate the color by 10%, you get **40, 75.388, 337.587**, and if you desaturate by 10%, it is **41, 73.807, 336.437**.

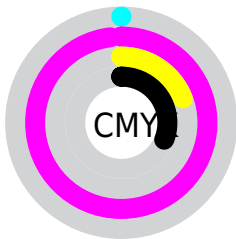
Distribution



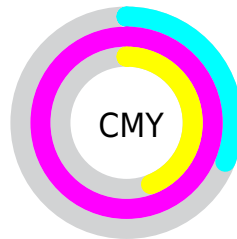
- Red (69%)
- Green (1%)
- Blue (56%)



- Red (69%)
- Yellow (1%)
- Blue (56%)



- Cyan (0%)
- Magenta (98%)
- Yellow (19%)
- Black (31%)





- Cyan (31%)
- Magenta (99%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 75.196, 337.400 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, 75.196, 337.400 by changing the saturation by 10% instead.


 40, 75.196,
337.400


 40, 75.196,
337.400


 100, 75.196,
337.400


 30, 75.196,
337.400

 60, 75.196,
337.400


 20, 75.196,
337.400

 70, 75.196,
337.400

 10, 75.196,
337.400

 80, 75.196,
337.400

 0, 75.196, 337.400

 90, 75.196,
337.400

 40, 75.196,

 40, 75.196,

337.400

337.400

■ 40, 75.388,
337.587

■ 41, 73.807,
336.437

■ 42, 70.417,
335.574

■ 45, 64.909,
334.786

■ 48, 57.590,
334.046

■ 51, 48.897,
333.337

■ 55, 39.281,
332.650

■ 59, 29.129,
331.980

■ 63, 18.745,
331.328

Harmonies

Complementary

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



40, 75.196, 337.400



63, 84.697, 138.683

Rectangle

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



40, 75.196, 337.400



40, 75.196, 27.400



40, 75.196, 157.400



40, 75.196, 207.400

Sweetspot

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



40, 75.193, 337.400



75, 37.329, 332.074



22, 98.846, 307.053



37, 25.542, 332.351



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 75.193, 337.400



52, 91.799, 337.788



37, 65.095, 18.415



34, 5.772, 330.761



34, 67.349, 337.447



2, 11.525, 332.776

Inverse Universe

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



40, 75.193, 337.400



52, 91.799, 337.788



64, 53.956, 161.032



34, 5.772, 330.761



34, 67.349, 337.447



2, 11.525, 332.776

Previews

White Background



This preview shows how the CIELCh color 40, 75.196, 337.400 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, 75.196, 337.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

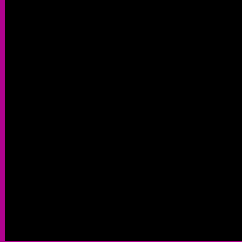
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 75.196, 337.400

Background



This preview shows how black text looks on a background with the CIELCh color 40, 75.196, 337.400.

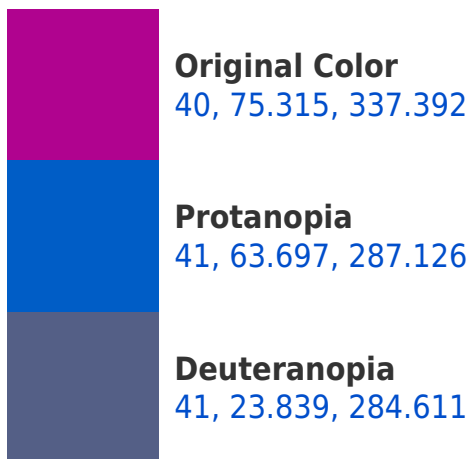


This preview shows how white text looks on a background with the CIELCh color 40, 75.196, 337.400.

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, 52.257, 27.373

Trichromacy



Original Color
40, 75.315, 337.392



Protanomaly
33, 72.891, 301.418



Deuteranomaly
36, 49.074, 318.947



Tritanomaly
39, 56.380, 3.290

Monochromacy



Original Color
40, 75.315, 337.392



Achromatopsia
30, 0.005, 296.813



Achromatomaly
30, 39.092, 333.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 75.196, 337.400 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(176, 3, 143)` looks like.

```
.text, #text, p{  
    color:rgb(176, 3, 143)  
}
```

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(176, 3, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 3, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 75.196, 337.400 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(176, 3, 143) }
```

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

```
.border{ border-color:rgb(176, 3, 143) }
```

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

Here you see how a box with a 4 pixel rgb(176, 3, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 3, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 3, 143);  
box-shadow:4px 4px 4px 4px rgb(176, 3,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 75.196, 337.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 3, 143) }
```

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

```
.background{ background-color: rgb(176, 3,  
143) }
```

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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