

Converting Colors

CIELCh(41, 76.546, 338.133)

Have a look what the booklet for
CIELCh(41, 76.546, 338.133)
contains.

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Color

CIELCh(41, 76.587, 338.071)

Conversions

Conversions Part 1

Format	Color
Hex	B50091
RGB	181, 0, 145
RGB Percent	71%, 0%, 57%
CMY	0.2903, 1.0000, 0.4314
CMYK	0.00, 1.00, 0.20, 0.29
HSL	312°, 100%, 35%
HSV	312°, 100%, 71%
XYZ	24.1612, 11.8645, 27.7989
YIQ	70.6490, 61.3310, 83.4670

Conversions

Conversions Part 2

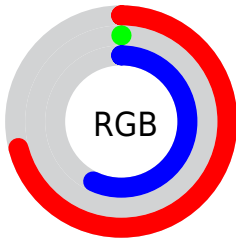
Format	Color
R_{YB}	181, 0, 145
Decimal	11862161
CIE _{Lab}	41.00, 71.05, -28.60
CIE _{LCh}	41, 76.587, 338.071
Yxy	11.8645, 0.3786, 0.1859
Android (android.graphics.Color)	4290052241 (0xFFB50091)
YUV	70.6490, 36.6550, 96.7778
Hunter-Lab	34.4449, 64.9291, -23.7387

Details

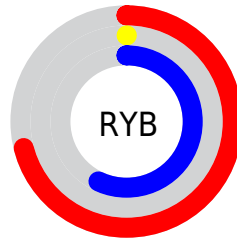
The CIELCh color **41, 76.587, 338.071** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **64, 87.083, 138.565**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 76.466, 338.212**, and **27, 56.528, 339.892** is the 20% darker color. If you saturate the color by 10%, you get **41, 76.582, 338.071**, and if you desaturate by 10%, it is **42, 75.459, 337.041**.

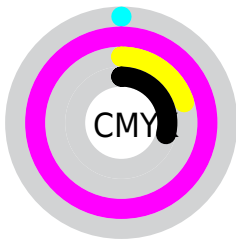
Distribution



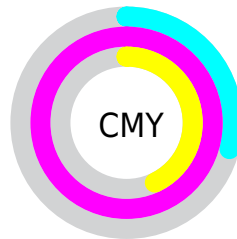
- Red (71%)
- Green (0%)
- Blue (57%)



- Red (71%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 76.587, 338.071 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 41, 76.587, 338.071 by changing the saturation by 10% instead.


 41, 76.587,
338.071


 41, 76.587,
338.071


 100, 76.587,
338.071


 31, 76.587,
338.071

 61, 76.587,
338.071


 21, 76.587,
338.071

 71, 76.587,
338.071

 11, 76.587,
338.071

 81, 76.587,
338.071

 1, 76.587, 338.071

 91, 76.587,
338.071

 0, 76.587, 338.071

 41, 76.587,

 41, 76.587,

338.071

338.071

■ 41, 76.582,
338.071

■ 42, 75.459,
337.041

■ 43, 72.485,
336.116

■ 45, 67.305,
335.284

■ 48, 60.190,
334.512

■ 52, 51.575,
333.780

■ 56, 41.928,
333.075

■ 60, 31.663,
332.392

■ 64, 21.110,
331.728

■ 69, 10.505,
331.077

Harmonies

Complementary

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



41, 76.587, 338.071



64, 87.083, 138.565

Rectangle

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



41, 76.587, 338.071



41, 76.587, 28.071



41, 76.587, 158.071



41, 76.587, 208.071

Sweetspot

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



41, 76.582, 338.071



76, 39.091, 332.425



23, 102.080, 307.132



38, 26.593, 332.707



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



41, 76.582, 338.071



53, 92.779, 338.274



38, 67.243, 19.498



35, 5.880, 331.032



34, 67.786, 337.915



2, 13.339, 333.519

Inverse Universe

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



41, 76.582, 338.071



53, 92.779, 338.274



65, 55.727, 160.593



35, 5.880, 331.032



34, 67.786, 337.915



2, 13.339, 333.519

Previews

White Background



This preview shows how the CIELCh color 41, 76.587, 338.071 looks on a white background.

Color Contrast Check

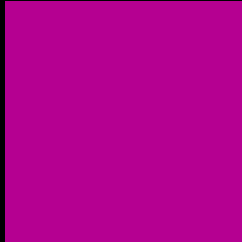
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 76.587, 338.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

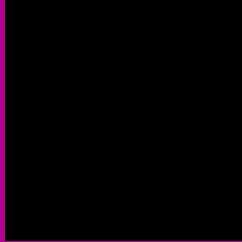
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 76.587, 338.071

Background



This preview shows how black text looks on a background with the CIELCh color 41, 76.587, 338.071.

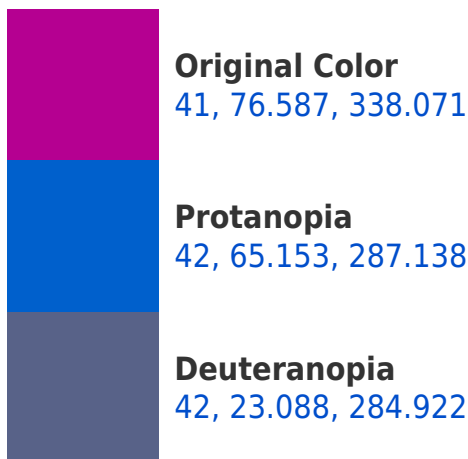


This preview shows how white text looks on a background with the CIELCh color 41, 76.587, 338.071.

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
42, 53.872, 27.598

Trichromacy



Original Color
41, 76.587, 338.071

Protanomaly
34, 74.990, 301.643

Deuteranomaly
37, 50.471, 320.394

Tritanomaly
40, 58.518, 3.644

Monochromacy



Original Color
41, 76.587, 338.071

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 40.444, 334.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 76.587, 338.071 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 76.587, 338.071 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, 145) }
```

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

```
.border{ border-color:rgb(181, 0, 145) }
```

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, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 76.587, 338.071 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, 145) }
```

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

```
.background{ background-color: rgb(181, 0,  
145) }
```

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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