

Converting Colors

CIELCh(41, 76.789, 337.874)

Have a look what the booklet for
CIELCh(41, 76.789, 337.874)
contains.

CIELCh(41, 76.903, 337.738)	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(41, 76.903, 337.738)

Conversions

Conversions Part 1

Format	Color
Hex	B50092
RGB	181, 0, 146
RGB Percent	71%, 0%, 57%
CMY	0.2908, 1.0000, 0.4280
CMYK	0.00, 1.00, 0.19, 0.29
HSL	312°, 100%, 35%
HSV	312°, 100%, 71%
XYZ	24.1898, 11.8645, 28.1501
YIQ	70.7630, 61.0100, 83.7780

Conversions

Conversions Part 2

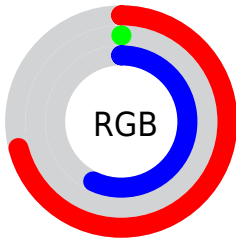
Format	Color
R_{YB}	181, 0, 146
Decimal	11862162
CIE _{Lab}	41.00, 71.17, -29.13
CIE _{LCh}	41, 76.903, 337.738
Yxy	11.8645, 0.3768, 0.1848
Android (android.graphics.Color)	4290052242 (0xFFB50092)
YUV	70.7630, 37.0918, 96.6778
Hunter-Lab	34.4449, 65.0774, -24.3433

Details

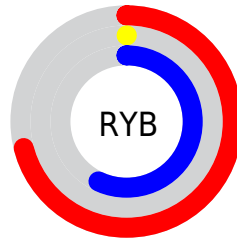
The CIELCh color **41, 76.903, 337.738** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **64, 87.265, 138.452**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 76.783, 337.900**, and **27, 56.851, 339.390** is the 20% darker color. If you saturate the color by 10%, you get **41, 76.848, 337.742**, and if you desaturate by 10%, it is **42, 75.703, 336.747**.

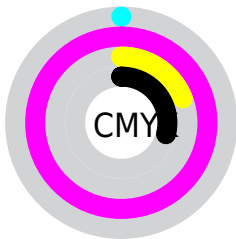
Distribution



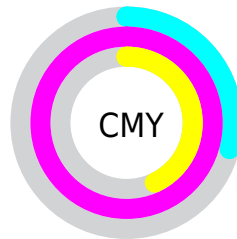
- Red (71%)
- Green (0%)
- Blue (57%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (29%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 76.903, 337.738 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, 76.903, 337.738 by changing the saturation by 10% instead.


 41, 76.903,
337.738


 41, 76.903,
337.738


 100, 76.903,
337.738


 31, 76.903,
337.738

 61, 76.903,
337.738


 21, 76.903,
337.738

 71, 76.903,
337.738

 11, 76.903,
337.738

 81, 76.903,
337.738

 1, 76.903, 337.738

 91, 76.903,
337.738

 0, 76.903, 337.738

 41, 76.903,

 41, 76.903,

337.738

337.738

■ 41, 76.848,
337.742

■ 42, 75.703,
336.747

■ 43, 72.709,
335.851

■ 45, 67.508,
335.040

■ 48, 60.371,
334.285

■ 52, 51.731,
333.564

■ 56, 42.056,
332.868

■ 60, 31.762,
332.191

■ 64, 21.177,
331.532

■ 69, 10.538,
330.885

Harmonies

Complementary

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



41, 76.903, 337.738



64, 87.265, 138.452

Rectangle

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



41, 76.903, 337.738



41, 76.903, 27.738



41, 76.903, 157.738



41, 76.903, 207.738

Sweetspot

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



41, 76.848, 337.742



76, 39.238, 332.224



22, 102.019, 307.133



38, 26.693, 332.503



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, 76.848, 337.742



53, 93.161, 337.937



38, 67.202, 19.495



35, 5.903, 330.840



34, 68.059, 337.593



2, 13.406, 333.246

Inverse Universe

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



41, 76.848, 337.742



53, 93.161, 337.937



65, 55.693, 160.594



35, 5.903, 330.840



34, 68.059, 337.593



2, 13.406, 333.246

Previews

White Background



This preview shows how the CIELCh color 41, 76.903, 337.738 looks on a white background.

Color Contrast Check

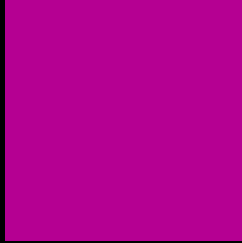
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.903, 337.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

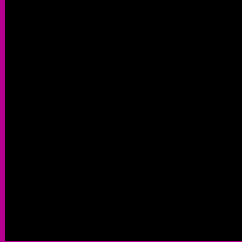
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 76.903, 337.738

Background



This preview shows how black text looks on a background with the CIELCh color 41, 76.903, 337.738.



This preview shows how white text looks on a background with the CIELCh color 41, 76.903, 337.738.

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



Original Color

41, 76.903, 337.738

Protanopia

42, 65.153, 287.138

Deuteranopia

42, 23.718, 284.471



Tritanopia
42, 53.656, 27.011

Trichromacy



Original Color
41, 76.903, 337.738



Protanomaly
34, 74.990, 301.643



Deuteranomaly
37, 50.899, 319.695



Tritanomaly
40, 58.285, 2.777

Monochromacy



Original Color
41, 76.903, 337.738



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, 76.903, 337.738 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 76.903, 337.738 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, 146) }
```

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

```
.border{ border-color:rgb(181, 0, 146) }
```

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, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 76.903, 337.738 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, 146) }
```

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

```
.background{ background-color: rgb(181, 0,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor