

Converting Colors

CIELCh(37, 71.703, 337.217)

Have a look what the booklet for
CIELCh(37, 71.703, 337.217)
contains.

CIELCh(37, 71.612, 337.109)	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(37, 71.612, 337.109)

Conversions

Conversions Part 1

Format	Color
Hex	A30285
RGB	163, 2, 133
RGB Percent	64%, 1%, 52%
CMY	0.3600, 0.9940, 0.4777
CMYK	0.00, 0.99, 0.18, 0.36
HSL	311°, 98%, 32%
HSV	311°, 99%, 64%
XYZ	19.4059, 9.5379, 23.0717
YIQ	65.0730, 53.9050, 74.8730

Conversions

Conversions Part 2

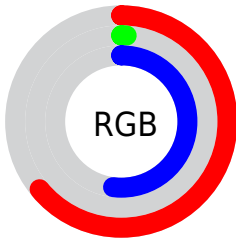
Format	Color
RYB	163, 2, 133
Decimal	10683013
CIELab	37.00, 65.97, -27.86
CIELCh	37, 71.612, 337.109
Yxy	9.5379, 0.3731, 0.1834
Android (android.graphics.Color)	4288873093 (0xFFA30285)
YUV	65.0730, 33.4880, 85.8820
Hunter-Lab	30.8835, 58.1155, -22.6745

Details

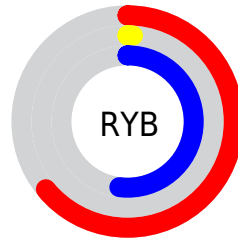
The CIELCh color **37, 71.612, 337.109** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **58, 80.585, 138.534**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 71.292, 337.393**, and **23, 51.650, 338.535** is the 20% darker color. If you saturate the color by 10%, you get **37, 71.721, 337.196**, and if you desaturate by 10%, it is **38, 70.241, 336.190**.

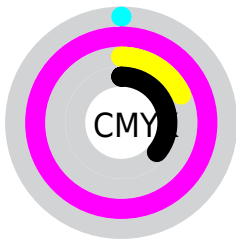
Distribution



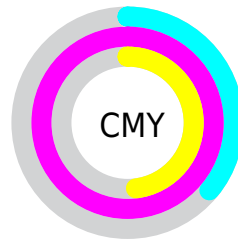
- Red (64%)
- Green (1%)
- Blue (52%)



- Red (64%)
- Yellow (1%)
- Blue (52%)



- Cyan (0%)
- Magenta (99%)
- Yellow (18%)
- Black (36%)





- Cyan (36%)
- Magenta (99%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 71.612, 337.109 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 37, 71.612, 337.109 by changing the saturation by 10% instead.


 37, 71.612,
337.109


 37, 71.612,
337.109

 100, 71.612,
337.109

 27, 71.612,
337.109

 57, 71.612,
337.109


 17, 71.612,
337.109


 67, 71.612,
337.109

 7, 71.612, 337.109

 77, 71.612,
337.109

 0, 71.612, 337.109

 87, 71.612,
337.109

 97, 71.612,
337.109

■ 37, 71.612,
337.109

■ 37, 71.612,
337.109

■ 37, 71.721,
337.196

■ 38, 70.241,
336.190

■ 39, 67.129,
335.354

■ 41, 62.024,
334.587

■ 44, 55.200,
333.865

■ 47, 47.060,
333.169

■ 51, 38.025,
332.492

■ 55, 28.462,
331.831

■ 59, 18.660,

331.186

■ 63, 8.828, 330.549

Harmonies

Complementary

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



37, 71.612, 337.109



58, 80.585, 138.534

Rectangle

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



37, 71.612, 337.109



37, 71.612, 27.109



37, 71.612, 157.109



37, 71.612, 207.109

Sweetspot

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



37, 71.609, 337.109



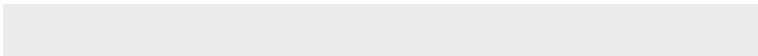
69, 36.288, 331.929



20, 93.973, 307.126



35, 24.907, 332.193



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



37, 71.609, 337.109



48, 86.799, 337.397



34, 61.827, 18.555



32, 5.510, 330.562



33, 65.971, 337.092



1, 8.248, 331.657

Inverse Universe

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



37, 71.609, 337.109



48, 86.799, 337.397



59, 51.212, 160.968



32, 5.510, 330.562



33, 65.971, 337.092



1, 8.248, 331.657

Previews

White Background



This preview shows how the CIE LCh color 37, 71.612, 337.109 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 71.612, 337.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

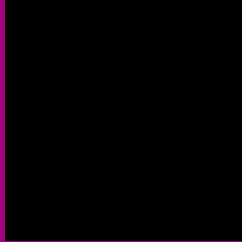
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 71.612, 337.109

Background



This preview shows how black text looks on a background with the CIELCh color 37, 71.612, 337.109.

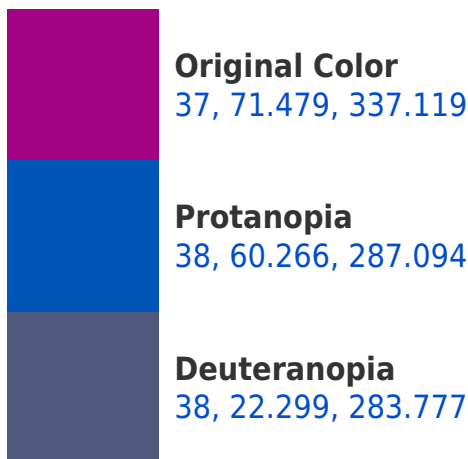


This preview shows how white text looks on a background with the CIELCh color 37, 71.612, 337.109.

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
38, 49.152, 27.120

Trichromacy



Original Color
37, 71.479, 337.119



Protanomaly
30, 69.467, 301.501



Deuteranomaly
33, 47.006, 318.928



Tritanomaly
36, 53.383, 2.904

Monochromacy



Original Color
37, 71.479, 337.119



Achromatopsia
28, 0.004, 296.813



Achromatomaly
27, 37.196, 333.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 71.612, 337.109 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(163, 2, 133)` looks like.

```
.text, #text, p{  
    color:rgb(163, 2, 133)  
}
```

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(163, 2, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 2, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 71.612, 337.109 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(163, 2, 133) }
```

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

```
.border{ border-color:rgb(163, 2, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 2, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 2, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 2, 133);  
box-shadow:4px 4px 4px 4px rgb(163, 2,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 71.612, 337.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 2, 133) }
```

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

```
.background{ background-color: rgb(163, 2,  
133) }
```

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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