

Converting Colors

CIELCh(37, 69.748, 339.508)

Have a look what the booklet for
CIELCh(37, 69.748, 339.508)
contains.

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Color

CIELCh(37, 69.811, 339.287)

Conversions

Conversions Part 1

Format	Color
Hex	A40380
RGB	164, 3, 128
RGB Percent	64%, 1%, 50%
CMY	0.3564, 0.9870, 0.4976
CMYK	0.00, 0.98, 0.22, 0.36
HSL	313°, 96%, 33%
HSV	313°, 98%, 64%
XYZ	19.2730, 9.5379, 21.2832
YIQ	65.3890, 55.8310, 73.0070

Conversions

Conversions Part 2

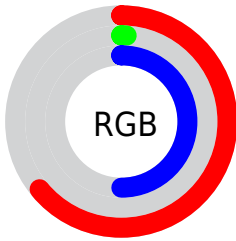
Format	Color
RYB	164, 3, 128
Decimal	10748800
CIELab	37.00, 65.30, -24.69
CIElCh	37, 69.811, 339.287
Yxy	9.5379, 0.3847, 0.1904
Android (android.graphics.Color)	4288938880 (0xFFA40380)
YUV	65.3890, 30.8672, 86.4818
Hunter-Lab	30.8835, 57.3474, -19.2408

Details

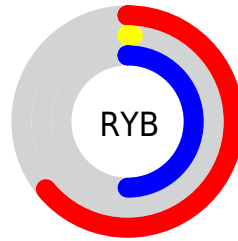
The CIELCh color **37, 69.811, 339.287** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **59, 78.844, 139.547**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 69.845, 339.391**, and **23, 50.106, 341.888** is the 20% darker color. If you saturate the color by 10%, you get **37, 70.022, 339.526**, and if you desaturate by 10%, it is **38, 68.463, 338.130**.

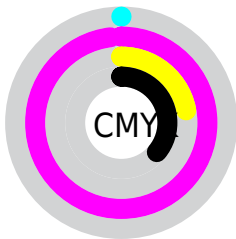
Distribution



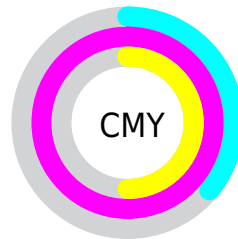
- Red (64%)
- Green (1%)
- Blue (50%)



- Red (64%)
- Yellow (1%)
- Blue (50%)



- Cyan (0%)
- Magenta (98%)
- Yellow (22%)
- Black (36%)





- Cyan (36%)
- Magenta (99%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 69.811, 339.287 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, 69.811, 339.287 by changing the saturation by 10% instead.

 37, 69.811,
339.287


 37, 69.811,
339.287

 100, 69.811,
339.287

 27, 69.811,
339.287

 57, 69.811,
339.287


 17, 69.811,
339.287


 67, 69.811,
339.287

 7, 69.811, 339.287

 77, 69.811,
339.287

 0, 69.811, 339.287

 87, 69.811,
339.287

 97, 69.811,
339.287

■ 37, 69.811,
339.287

■ 37, 69.811,
339.287

■ 37, 70.022,
339.526

■ 38, 68.463,
338.130

■ 39, 65.259,
337.114

■ 42, 60.085,
336.212

■ 44, 53.242,
335.388

■ 48, 45.146,
334.617

■ 51, 36.215,
333.884

■ 55, 26.807,
333.181

■ 60, 17.200,

332.504

■ 64, 7.587, 331.840

Harmonies

Complementary

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



37, 69.811, 339.287



59, 78.844, 139.547

Rectangle

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



37, 69.811, 339.287



37, 69.811, 29.287



37, 69.811, 159.287



37, 69.811, 209.287

Sweetspot

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



37, 69.808, 339.287



70, 34.507, 333.289



21, 93.379, 307.378



35, 23.600, 333.572



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, 69.808, 339.287



48, 85.114, 339.793



34, 62.597, 21.044



32, 5.362, 331.926



32, 64.159, 339.385



1, 7.993, 333.294

Inverse Universe

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



37, 69.808, 339.287



48, 85.114, 339.793



60, 49.085, 163.808



32, 5.362, 331.926



32, 64.159, 339.385



1, 7.993, 333.294

Previews

White Background



This preview shows how the CIELCh color 37, 69.811, 339.287 looks on a white background.

Color Contrast Check

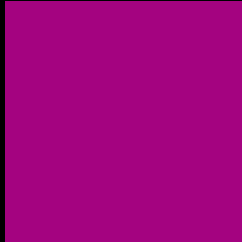
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.811, 339.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

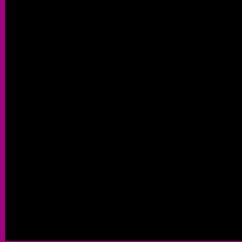
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 69.811, 339.287

Background



This preview shows how black text looks on a background with the CIELCh color 37, 69.811, 339.287.



This preview shows how white text looks on a background with the CIELCh color 37, 69.811, 339.287.

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

37, 69.811, 339.287

Protanopia

38, 58.981, 287.476

Deuteranopia

38, 19.772, 285.968



Tritanopia
38, 50.317, 28.062

Trichromacy



Original Color
37, 69.811, 339.287

Protanomaly
31, 66.205, 303.462

Deuteranomaly
33, 44.606, 321.532

Tritanomaly
36, 53.546, 5.164

Monochromacy



Original Color
37, 69.811, 339.287

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 36.350, 335.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 69.811, 339.287 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(164, 3, 128)` looks like.

```
.text, #text, p{  
    color:rgb(164, 3, 128)  
}
```

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(164, 3, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 3, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 69.811, 339.287 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(164, 3, 128) }
```

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

```
.border{ border-color:rgb(164, 3, 128) }
```

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

Here you see how a box with a 4 pixel rgb(164, 3, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 3, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 3, 128);  
box-shadow:4px 4px 4px 4px rgb(164, 3,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 69.811, 339.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 3, 128) }
```

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

```
.background{ background-color: rgb(164, 3,  
128) }
```

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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