

Converting Colors

CIELCh(37, 68.990, 342.697)

Have a look what the booklet for
CIELCh(37, 68.990, 342.697)
contains.

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Color

CIELCh(37, 68.693, 342.553)

Conversions

Conversions Part 1

Format	Color
Hex	A7007A
RGB	167, 0, 122
RGB Percent	65%, 0%, 48%
CMY	0.3468, 1.0000, 0.5231
CMYK	0.00, 1.00, 0.27, 0.35
HSL	316°, 100%, 33%
HSV	316°, 100%, 65%
XYZ	19.3191, 9.5379, 19.1088
YIQ	63.8410, 60.3700, 73.3460

Conversions

Conversions Part 2

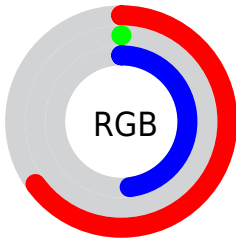
Format	Color
RYB	167, 0, 122
Decimal	10944634
CIELab	37.00, 65.53, -20.60
CIElCh	37, 68.693, 342.553
Yxy	9.5379, 0.4028, 0.1988
Android (android.graphics.Color)	4289134714 (0xFFA7007A)
YUV	63.8410, 28.6724, 90.4704
Hunter-Lab	30.8835, 57.6139, -15.0666

Details

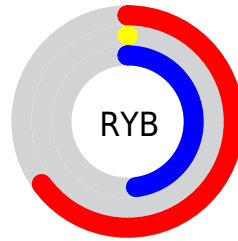
The CIELCh color **37, 68.693, 342.553** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **60, 78.387, 140.425**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 68.572, 342.416**, and **23, 49.042, 346.460** is the 20% darker color. If you saturate the color by 10%, you get **37, 68.543, 342.576**, and if you desaturate by 10%, it is **38, 67.515, 341.060**.

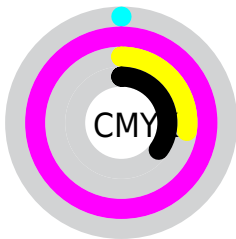
Distribution



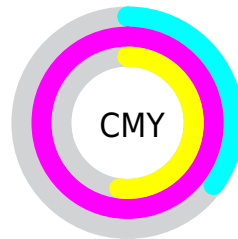
- Red (65%)
- Green (0%)
- Blue (48%)



- Red (65%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 68.693, 342.553 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, 68.693, 342.553 by changing the saturation by 10% instead.


 37, 68.693,
342.553


 37, 68.693,
342.553

 100, 68.693,
342.553

 27, 68.693,
342.553

 57, 68.693,
342.553


 17, 68.693,
342.553


 67, 68.693,
342.553

 7, 68.693, 342.553

 77, 68.693,
342.553

 0, 68.693, 342.553

 87, 68.693,
342.553

 97, 68.693,
342.553

■ 37, 68.693,
342.553

■ 37, 68.693,
342.553

■ 37, 68.543,
342.576

■ 38, 67.515,
341.060

■ 39, 64.849,
339.744

■ 42, 60.171,
338.620

■ 44, 53.753,
337.632

■ 48, 46.004,
336.740

■ 51, 37.354,
335.917

■ 55, 28.179,
335.147

■ 59, 18.769,

334.417

■ 64, 9.333, 333.716

Harmonies

Complementary

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



37, 68.693, 342.553



60, 78.387, 140.425

Rectangle

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



37, 68.693, 342.553



37, 68.693, 32.553



37, 68.693, 162.553



37, 68.693, 212.553

Sweetspot

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



37, 68.543, 342.576



70, 34.911, 335.188



21, 94.833, 307.984



35, 23.971, 335.496



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



37, 68.543, 342.576



48, 83.126, 342.919



35, 65.902, 26.368



33, 5.324, 333.667



33, 62.928, 342.396



2, 9.159, 336.022

Inverse Universe

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



37, 68.543, 342.576



48, 83.126, 342.919



61, 47.058, 167.770



33, 5.324, 333.667



33, 62.928, 342.396



2, 9.159, 336.022

Previews

White Background



This preview shows how the CIELCh color 37, 68.693, 342.553 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 CIELCh color 37, 68.693, 342.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

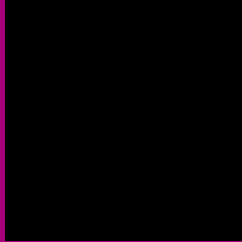
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 68.693, 342.553

Background



This preview shows how black text looks on a background with the CIELCh color 37, 68.693, 342.553.



This preview shows how white text looks on a background with the CIELCh color 37, 68.693, 342.553.

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, 68.693, 342.553

Protanopia

38, 52.855, 287.027

Deuteranopia

38, 16.002, 289.988



Tritanopia
38, 53.130, 28.936

Trichromacy



Original Color
37, 68.693, 342.553



Protanomaly
32, 62.024, 307.379



Deuteranomaly
33, 42.738, 326.036



Tritanomaly
37, 55.258, 8.038

Monochromacy



Original Color
37, 68.693, 342.553



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 35.773, 337.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 68.693, 342.553 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(167, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 122)  
}
```

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(167, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 68.693, 342.553 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(167, 0, 122) }
```

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

```
.border{ border-color:rgb(167, 0, 122) }
```

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

Here you see how a box with a 4 pixel rgb(167, 0, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 68.693, 342.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 122) }
```

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

```
.background{ background-color: rgb(167, 0,  
122) }
```

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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