

Converting Colors

CIELCh(37, 73.121, 335.736)

Have a look what the booklet for
CIELCh(37, 73.121, 335.736)
contains.

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Color

CIELCh(37, 73.084, 335.707)

Conversions

Conversions Part 1

Format	Color
Hex	A30089
RGB	163, 0, 137
RGB Percent	64%, 0%, 54%
CMY	0.3619, 1.0000, 0.4638
CMYK	0.00, 1.00, 0.16, 0.36
HSL	310°, 100%, 32%
HSV	310°, 100%, 64%
XYZ	19.5328, 9.5379, 24.3794
YIQ	64.3550, 53.1710, 77.1630

Conversions

Conversions Part 2

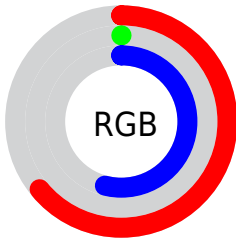
Format	Color
R_{YB}	163, 0, 137
Decimal	10682505
CIE _{Lab}	37.00, 66.61, -30.07
CIE _{LCh}	37, 73.084, 335.707
Yxy	9.5379, 0.3654, 0.1784
Android (android.graphics.Color)	4288872585 (0xFFA30089)
YUV	64.3550, 35.8140, 86.5117
Hunter-Lab	30.8835, 58.8489, -25.1849

Details

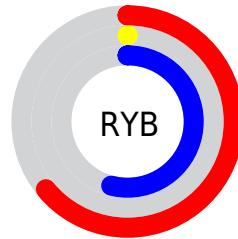
The CIELCh color **37, 73.084, 335.707** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **58, 81.727, 137.926**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 73.422, 335.732**, and **23, 53.057, 336.403** is the 20% darker color. If you saturate the color by 10%, you get **37, 72.983, 335.712**, and if you desaturate by 10%, it is **38, 71.585, 334.942**.

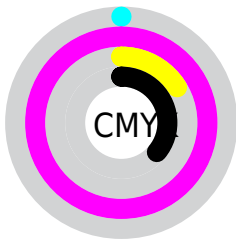
Distribution



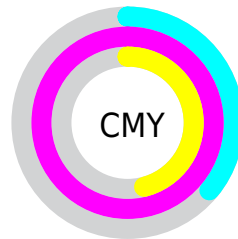
- Red (64%)
- Green (0%)
- Blue (54%)



- Red (64%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 73.084, 335.707 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, 73.084, 335.707 by changing the saturation by 10% instead.


 37, 73.084,
335.707


 37, 73.084,
335.707

 100, 73.084,
335.707


 27, 73.084,
335.707

 57, 73.084,
335.707


 17, 73.084,
335.707


 67, 73.084,
335.707

 7, 73.084, 335.707

 77, 73.084,
335.707

 0, 73.084, 335.707

 87, 73.084,
335.707

 97, 73.084,
335.707

■ 37, 73.084,
335.707

■ 37, 73.084,
335.707

■ 37, 72.983,
335.712

■ 38, 71.585,
334.942

■ 39, 68.565,
334.221

■ 41, 63.536,
333.543

■ 44, 56.749,
332.886

■ 47, 48.597,
332.240

■ 50, 39.499,
331.600

■ 54, 29.831,
330.967

■ 58, 19.893,

330.342

■ 62, 9.902, 329.722

Harmonies

Complementary

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



37, 73.084, 335.707



58, 81.727, 137.926

Rectangle

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



37, 73.084, 335.707



37, 73.084, 25.707



37, 73.084, 155.707



37, 73.084, 205.707

Sweetspot

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



37, 72.983, 335.712



69, 36.946, 331.002



19, 94.627, 306.941



35, 25.356, 331.256



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, 72.983, 335.712



48, 88.546, 335.878



34, 61.260, 15.889



32, 5.613, 329.676



33, 67.266, 335.630



1, 8.431, 330.570

Inverse Universe

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



37, 72.983, 335.712



48, 88.546, 335.878



59, 53.485, 158.344



32, 5.613, 329.676



33, 67.266, 335.630



1, 8.431, 330.570

Previews

White Background



This preview shows how the CIELCh color 37, 73.084, 335.707 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, 73.084, 335.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

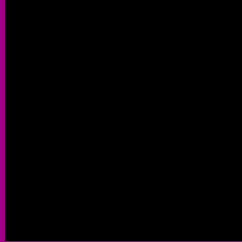
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 73.084, 335.707

Background



This preview shows how black text looks on a background with the CIELCh color 37, 73.084, 335.707.



This preview shows how white text looks on a background with the CIELCh color 37, 73.084, 335.707.

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, 73.084, 335.707

Protanopia

38, 59.630, 286.611

Deuteranopia

38, 24.227, 282.664



Tritanopia
38, 47.694, 26.605

Trichromacy



Original Color
37, 73.084, 335.707



Protanomaly
31, 70.033, 301.541



Deuteranomaly
33, 48.448, 317.202



Tritanomaly
36, 53.318, 0.643

Monochromacy



Original Color
37, 73.084, 335.707



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 37.635, 333.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 73.084, 335.707 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, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 137)  
}
```

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, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 73.084, 335.707 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, 0, 137) }
```

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

```
.border{ border-color:rgb(163, 0, 137) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 73.084, 335.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 137) }
```

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

```
.background{ background-color: rgb(163, 0,  
137) }
```

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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