

Converting Colors

CIELCh(37, 63.239, 306.180)

Have a look what the booklet for
CIELCh(37, 63.239, 306.180)
contains.

CIELCh(37, 63.311, 306.271)	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, 63.311, 306.271)

Conversions

Conversions Part 1

Format	Color
Hex	6143AA
RGB	97, 67, 170
RGB Percent	38%, 26%, 67%
CMY	0.6180, 0.7359, 0.3317
CMYK	0.43, 0.60, 0.00, 0.33
HSL	257°, 43%, 47%
HSV	257°, 60%, 67%
XYZ	14.2955, 9.5379, 39.3192
YIQ	87.7120, -15.1830, 38.3930

Conversions

Conversions Part 2

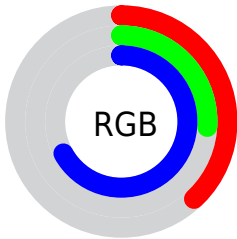
Format	Color
R_{YB}	97, 67, 170
Decimal	6374314
CIE _{Lab}	37.00, 37.46, -51.04
CIE _{LCh}	37, 63.311, 306.271
Yxy	9.5379, 0.2264, 0.1510
Android (android.graphics.Color)	4284564394 (0xFF6143AA)
YUV	87.7120, 40.5680, 8.1456
Hunter-Lab	30.8835, 28.5788, -53.8664

Details

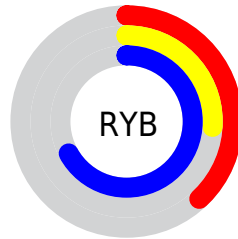
The CIELCh color **37, 63.311, 306.271** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **66, 55.054, 118.259**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 63.527, 306.301**, and **17, 63.225, 306.281** is the 20% darker color. If you saturate the color by 10%, you get **32, 73.910, 307.160**, and if you desaturate by 10%, it is **42, 52.341, 305.331**.

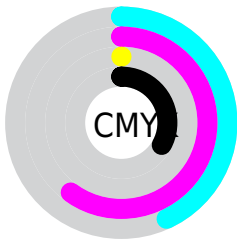
Distribution



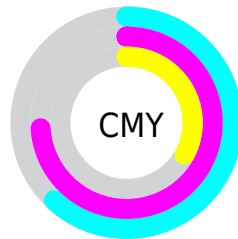
- Red (38%)
- Green (26%)
- Blue (67%)



- Red (38%)
- Yellow (26%)
- Blue (67%)



- Cyan (43%)
- Magenta (60%)
- Yellow (0%)
- Black (33%)





- Cyan (62%)
- Magenta (74%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 63.311, 306.271 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, 63.311, 306.271 by changing the saturation by 10% instead.


 37, 63.311,
306.271


 37, 63.311,
306.271

 100, 63.311,
306.271


 27, 63.311,
306.271

 57, 63.311,
306.271


 17, 63.311,
306.271


 67, 63.311,
306.271

 7, 63.311, 306.271

 77, 63.311,
306.271

 0, 63.311, 306.271

 87, 63.311,
306.271

 97, 63.311,
306.271

37, 63.311,
306.271

37, 63.311,
306.271

32, 73.910,
307.160

42, 52.341,
305.331

28, 83.460,
307.870

48, 41.392,
304.414

25, 90.984,
308.229

53, 30.666,
303.563

22, 96.074,
308.272

58, 20.251,
302.793

64, 10.182,
302.109

70, 0.461, 301.426

75, 8.921, 120.996

80, 17.979,
120.541

■ 86, 26.731,
120.148

Harmonies

Complementary

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



37, 63.311, 306.271



66, 55.054, 118.259

Rectangle

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



37, 63.311, 306.271



37, 63.311, 356.271



37, 63.311, 126.271



37, 63.311, 176.271

Sweetspot

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



37, 63.311, 306.272



76, 21.984, 302.639



55, 26.359, 237.750



39, 15.475, 302.844



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



37, 63.311, 306.272



41, 94.658, 307.462



43, 64.383, 320.676



33, 5.435, 302.032



19, 86.456, 308.377



1, 9.722, 299.946

Inverse Universe

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



45, 54.320, 338.731



54, 76.306, 340.258



63, 62.928, 134.864



33, 5.242, 334.534



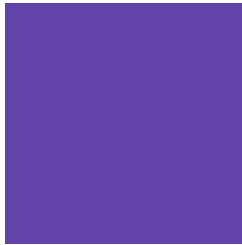
32, 62.033, 343.908



2, 9.001, 337.071

Previews

White Background



This preview shows how the CIELCh color 37, 63.311, 306.271 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, 63.311, 306.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

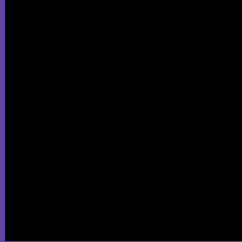
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 63.311, 306.271

Background



This preview shows how black text looks on a background with the CIELCh color 37, 63.311, 306.271.



This preview shows how white text looks on a background with the CIELCh color 37, 63.311, 306.271.

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](#).

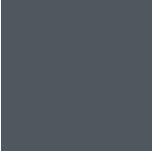
Dichromacy



Original Color
37, 63.311, 306.271

Protanopia
37, 58.141, 286.580

Deuteranopia
37, 42.855, 275.530



Tritanopia
37, 5.563, 250.401

Trichromacy



Original Color
37, 63.311, 306.271

Protanomaly
36, 59.938, 291.078

Deuteranomaly
36, 49.869, 286.368

Tritanomaly
36, 26.236, 298.918

Monochromacy



Original Color
37, 63.311, 306.271

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 24.014, 303.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 63.311, 306.271 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(97, 67, 170)` looks like.

```
.text, #text, p{  
    color:rgb(97, 67, 170)  
}
```

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(97, 67, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 67, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 63.311, 306.271 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(97, 67, 170) }
```

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

```
.border{ border-color:rgb(97, 67, 170) }
```

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

Here you see how a box with a 4 pixel rgb(97, 67, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 67, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 67, 170);  
box-shadow:4px 4px 4px 4px rgb(97, 67,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 63.311, 306.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 67, 170) }
```

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

```
.background{ background-color: rgb(97, 67,  
170) }
```

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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