

Converting Colors

CIELCh(37, 83.199, 306.940)

Have a look what the booklet for
CIELCh(37, 83.199, 306.940)
contains.

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Color

CIELCh(37, 83.302, 306.979)

Conversions

Conversions Part 1

Format	Color
Hex	613AC5
RGB	97, 58, 197
RGB Percent	38%, 23%, 77%
CMY	0.6209, 0.7736, 0.2287
CMYK	0.51, 0.71, 0.00, 0.23
HSL	257°, 55%, 50%
HSV	257°, 71%, 77%
XYZ	16.4349, 9.5379, 53.6078
YIQ	85.5070, -21.3750, 51.4970

Conversions

Conversions Part 2

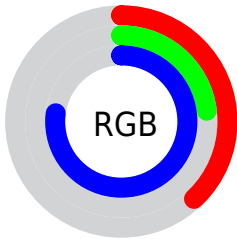
Format	Color
R_{YB}	97, 58, 197
Decimal	6372037
CIE _{Lab}	37.00, 50.11, -66.55
CIE _{LCh}	37, 83.302, 306.979
Yxy	9.5379, 0.2065, 0.1199
Android (android.graphics.Color)	4284562117 (0xFF613AC5)
YUV	85.5070, 54.9660, 10.0794
Hunter-Lab	30.8835, 40.9440, -81.2974

Details

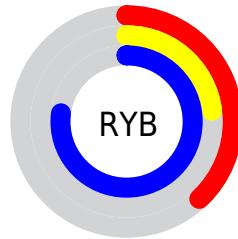
The CIELCh color **37, 83.302, 306.979** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **74, 69.873, 117.545**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 83.667, 307.085**, and **17, 83.265, 306.996** is the 20% darker color. If you saturate the color by 10%, you get **32, 93.929, 307.713**, and if you desaturate by 10%, it is **42, 71.407, 306.052**.

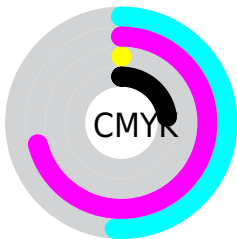
Distribution



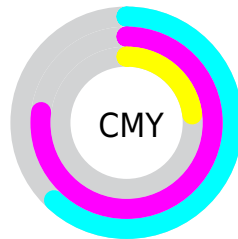
- Red (38%)
- Green (23%)
- Blue (77%)



- Red (38%)
- Yellow (23%)
- Blue (77%)



- Cyan (51%)
- Magenta (71%)
- Yellow (0%)
- Black (23%)





- Cyan (62%)
- Magenta (77%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 83.302, 306.979 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, 83.302, 306.979 by changing the saturation by 10% instead.


 37, 83.302,
306.979


 37, 83.302,
306.979

 100, 83.302,
306.979


 27, 83.302,
306.979

 57, 83.302,
306.979


 17, 83.302,
306.979


 67, 83.302,
306.979

 7, 83.302, 306.979

 77, 83.302,
306.979

 0, 83.302, 306.979

 87, 83.302,
306.979

 97, 83.302,
306.979

■ 37, 83.302,
306.979

■ 37, 83.302,
306.979

■ 32, 93.929,
307.713

■ 42, 71.407,
306.052

■ 29, 102.129,
308.067

■ 48, 59.061,
305.068

■ 26, 107.207,
308.042

■ 54, 46.732,
304.110

■ 60, 34.659,
303.222

■ 67, 22.944,
302.421

■ 73, 11.626,
301.712

■ 79, 0.708, 301.038

■ 85, 9.823, 120.561

■ 91, 19.986,
120.092

Harmonies

Complementary

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



37, 83.302, 306.979



74, 69.873, 117.545

Rectangle

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



37, 83.302, 306.979



37, 83.302, 356.979



37, 83.302, 126.979



37, 83.302, 176.979

Sweetspot

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



37, 83.302, 306.980



84, 28.841, 302.472



62, 32.461, 238.045



42, 19.618, 302.689



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



37, 83.302, 306.980



40, 120.311, 307.972



46, 81.886, 320.312



39, 6.232, 301.628



21, 93.198, 308.160



2, 21.778, 299.083

Inverse Universe

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



49, 68.549, 339.314



59, 91.561, 341.314



71, 79.831, 133.943



39, 6.068, 334.093



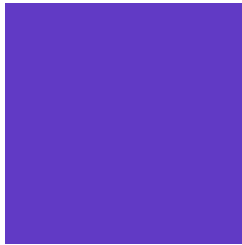
36, 67.074, 343.270



4, 20.916, 339.384

Previews

White Background



This preview shows how the CIELCh color 37, 83.302, 306.979 looks on a white background.

Color Contrast Check

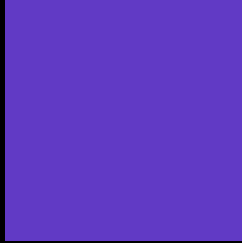
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.302, 306.979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

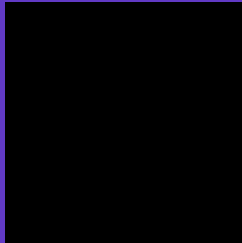
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 83.302, 306.979

Background



This preview shows how black text looks on a background with the CIELCh color 37, 83.302, 306.979.



This preview shows how white text looks on a background with the CIELCh color 37, 83.302, 306.979.

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, 83.302, 306.979

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 41.252, 274.007



Tritanopia
37, 9.957, 224.283

Trichromacy



Original Color
37, 83.302, 306.979



Protanomaly
35, 67.761, 294.131



Deuteranomaly
35, 56.459, 289.891



Tritanomaly
36, 34.157, 294.956

Monochromacy



Original Color
37, 83.302, 306.979



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 32.251, 303.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 83.302, 306.979 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, 58, 197)` looks like.

```
.text, #text, p{  
    color:rgb(97, 58, 197)  
}
```

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, 58, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 58, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 83.302, 306.979 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, 58, 197) }
```

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

```
.border{ border-color:rgb(97, 58, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 58, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 58, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 58, 197);  
box-shadow:4px 4px 4px 4px rgb(97, 58,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 83.302, 306.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 58, 197) }
```

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

```
.background{ background-color: rgb(97, 58,  
197) }
```

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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