

Converting Colors

CIELCh(37, 97.372, 309.003)

Have a look what the booklet for
CIELCh(37, 97.372, 309.003)
contains.

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Color

CIELCh(37, 97.099, 308.972)

Conversions

Conversions Part 1

Format	Color
Hex	672DD4
RGB	103, 45, 212
RGB Percent	40%, 18%, 83%
CMY	0.5955, 0.8231, 0.1681
CMYK	0.51, 0.79, 0.00, 0.17
HSL	261°, 66%, 50%
HSV	261°, 79%, 83%
XYZ	18.4525, 9.5379, 63.2411
YIQ	81.3800, -19.0390, 64.2330

Conversions

Conversions Part 2

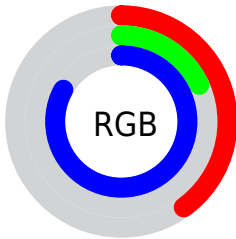
Format	Color
R_{YB}	103, 45, 212
Decimal	6761940
CIE _{Lab}	37.00, 61.07, -75.49
CIE _{LCh}	37, 97.099, 308.972
Yxy	9.5379, 0.2023, 0.1045
Android (android.graphics.Color)	4284952020 (0xFF672DD4)
YUV	81.3800, 64.3957, 18.9607
Hunter-Lab	30.8835, 52.6050, -99.7913

Details

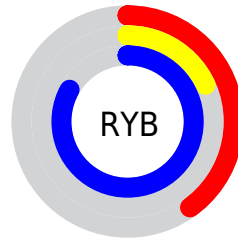
The CIELCh color **37, 97.099, 308.972** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **79, 81.265, 120.571**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 89.415, 309.933**, and **19, 91.202, 307.336** is the 20% darker color. If you saturate the color by 10%, you get **33, 105.908, 309.174**, and if you desaturate by 10%, it is **42, 85.910, 308.426**.

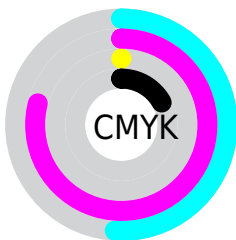
Distribution



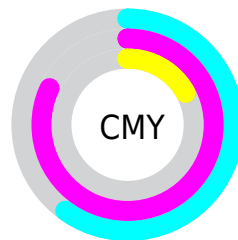
- Red (40%)
- Green (18%)
- Blue (83%)



- Red (40%)
- Yellow (18%)
- Blue (83%)



- Cyan (51%)
- Magenta (79%)
- Yellow (0%)
- Black (17%)





- Cyan (60%)
- Magenta (82%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 97.099, 308.972 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, 97.099, 308.972 by changing the saturation by 10% instead.


 37, 97.099,
308.972


 37, 97.099,
308.972

 100, 97.099,
308.972


 27, 97.099,
308.972

 57, 97.099,
308.972


 17, 97.099,
308.972


 67, 97.099,
308.972

 7, 97.099, 308.972

 77, 97.099,
308.972

 0, 97.099, 308.972

 87, 97.099,
308.972

 97, 97.099,
308.972

37, 97.099,
308.972

37, 97.099,
308.972

33, 105.908,
309.174

42, 85.910,
308.426

30, 111.550,
308.934

48, 73.435,
307.693

30, 112.187,
308.905

54, 60.460,
306.891

60, 47.457,
306.094

66, 34.676,
305.343

73, 22.238,
304.657

79, 10.193,
304.041

86, 1.447, 123.554

■ 92, 12.689,
123.038

Harmonies

Complementary

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



37, 97.099, 308.972



79, 81.265, 120.571

Rectangle

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



37, 97.099, 308.972



37, 97.099, 358.972



37, 97.099, 128.972



37, 97.099, 178.972

Sweetspot

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



37, 97.099, 308.973



82, 33.391, 305.028



61, 38.913, 252.421



41, 23.074, 305.281



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, 97.099, 308.973



38, 126.067, 309.053



48, 93.365, 322.423



42, 6.687, 304.082



23, 95.308, 309.053



3, 28.222, 303.002

Inverse Universe

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



50, 74.049, 344.305



57, 89.360, 347.582



75, 92.911, 134.983



42, 6.148, 336.907



37, 66.539, 348.370



5, 25.625, 343.925

Previews

White Background



This preview shows how the CIELCh color 37, 97.099, 308.972 looks on a white background.

Color Contrast Check

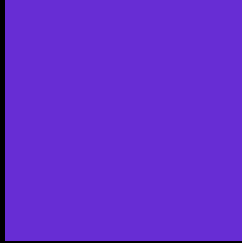
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.099, 308.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

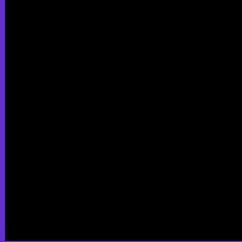
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 97.099, 308.972

Background



This preview shows how black text looks on a background with the CIELCh color 37, 97.099, 308.972.



This preview shows how white text looks on a background with the CIELCh color 37, 97.099, 308.972.

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, 97.099, 308.972

Protanopia
37, 57.573, 286.320

Deuteranopia
37, 40.191, 272.593



Tritanopia
37, 9.336, 226.212

Trichromacy



Original Color
37, 97.099, 308.972



Protanomaly
35, 73.758, 296.461



Deuteranomaly
35, 61.956, 292.948



Tritanomaly
35, 41.197, 299.522

Monochromacy



Original Color
37, 97.099, 308.972



Achromatopsia
35, 0.005, 296.813



Achromatomaly
34, 38.293, 306.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 97.099, 308.972 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(103, 45, 212)` looks like.

```
.text, #text, p{  
    color:rgb(103, 45, 212)  
}
```

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(103, 45, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 45, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 97.099, 308.972 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(103, 45, 212) }
```

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

```
.border{ border-color:rgb(103, 45, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 45, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 45, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 45, 212);  
box-shadow:4px 4px 4px 4px rgb(103, 45,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 97.099, 308.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 45, 212) }
```

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

```
.background{ background-color: rgb(103, 45,  
212) }
```

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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