

Converting Colors

CIELCh(37, 77.093, 312.420)

Have a look what the booklet for
CIELCh(37, 77.093, 312.420)
contains.

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Color

CIELCh(37, 77.063, 312.449)

Conversions

Conversions Part 1

Format	Color
Hex	7434B4
RGB	116, 52, 180
RGB Percent	45%, 20%, 71%
CMY	0.5436, 0.7947, 0.2926
CMYK	0.35, 0.71, 0.00, 0.29
HSL	270°, 55%, 46%
HSV	270°, 71%, 71%
XYZ	16.7743, 9.5379, 44.3392
YIQ	85.7280, -2.9440, 53.3760

Conversions

Conversions Part 2

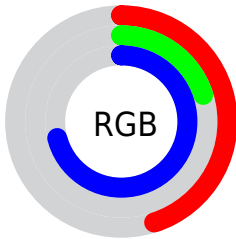
Format	Color
R _Y B	116, 52, 180
Decimal	7615668
CIE Lab	37.00, 52.01, -56.86
CIE LCh	37, 77.063, 312.449
Yxy	9.5379, 0.2374, 0.1350
Android (android.graphics.Color)	4285805748 (0xFF7434B4)
YUV	85.7280, 46.4761, 26.5485
Hunter-Lab	30.8835, 42.9056, -63.5036

Details

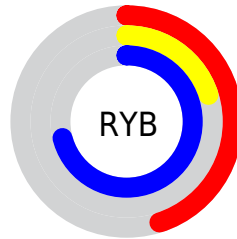
The CIELCh color **37, 77.063, 312.449** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **67, 69.273, 126.311**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 77.082, 312.489**, and **18, 74.123, 311.736** is the 20% darker color. If you saturate the color by 10%, you get **33, 85.737, 312.573**, and if you desaturate by 10%, it is **41, 66.937, 312.105**.

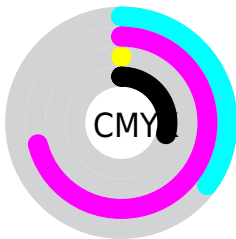
Distribution



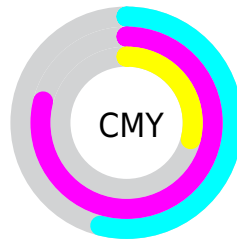
- Red (45%)
- Green (20%)
- Blue (71%)



- Red (45%)
- Yellow (20%)
- Blue (71%)



- Cyan (35%)
- Magenta (71%)
- Yellow (0%)
- Black (29%)



- Cyan (54%)
- Magenta (79%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 77.063, 312.449 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, 77.063, 312.449 by changing the saturation by 10% instead.

 37, 77.063,
312.449

 37, 77.063,
312.449

 100, 77.063,
312.449

 27, 77.063,
312.449

 57, 77.063,
312.449

 17, 77.063,
312.449

 67, 77.063,
312.449

 7, 77.063, 312.449

 77, 77.063,
312.449

 0, 77.063, 312.449

 87, 77.063,
312.449

 97, 77.063,
312.449

37, 77.063,
312.449

37, 77.063,
312.449

33, 85.737,
312.573

41, 66.937,
312.105

30, 92.203,
312.362

46, 56.021,
311.634

28, 96.204,
311.920

51, 44.786,
311.106


57, 33.530,
310.567

62, 22.428,
310.045

67, 11.576,
309.553

73, 1.020, 309.008

78, 9.221, 128.724

 84, 19.145,
128.359

Harmonies

Complementary

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



37, 77.063, 312.449



67, 69.273, 126.311

Rectangle

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



37, 77.063, 312.449



37, 77.063, 2.449



37, 77.063, 132.449



37, 77.063, 182.449

Sweetspot

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



37, 77.062, 312.449



79, 27.818, 310.065



48, 39.838, 271.635



40, 18.879, 310.204



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



37, 77.062, 312.449



42, 109.077, 312.506



46, 77.465, 327.778



35, 5.910, 309.474



23, 85.087, 312.066



1, 13.841, 305.238

Inverse Universe

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



44, 56.968, 352.773



52, 76.897, 356.961



65, 78.873, 138.077



35, 4.756, 344.380



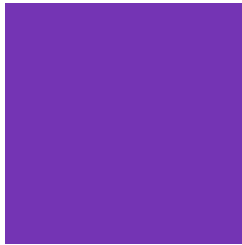
32, 57.948, 1.329



2, 10.604, 349.871

Previews

White Background



This preview shows how the CIELCh color 37, 77.063, 312.449 looks on a white background.

Color Contrast Check

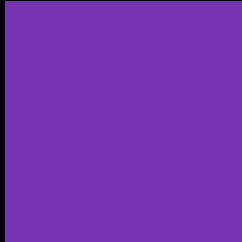
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.063, 312.449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

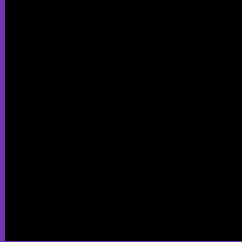
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 77.063, 312.449

Background



This preview shows how black text looks on a background with the CIELCh color 37, 77.063, 312.449.




This preview shows how white text looks on a background with the CIELCh color 37, 77.063, 312.449.

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





Tritanopia
37, 7.743, 346.716

Trichromacy



Original Color
37, 77.063, 312.449

Protanomaly
35, 66.103, 294.897

Deuteranomaly
35, 54.729, 290.818

Tritanomaly
36, 33.811, 315.753

Monochromacy



Original Color
37, 77.063, 312.449

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 29.923, 310.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 77.063, 312.449 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(116, 52, 180)` looks like.

```
.text, #text, p{  
    color:rgb(116, 52, 180)  
}
```

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(116, 52, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 52, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 77.063, 312.449 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(116, 52, 180) }
```

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

```
.border{ border-color:rgb(116, 52, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 52, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 52, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 52, 180);  
box-shadow:4px 4px 4px 4px rgb(116, 52,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 77.063, 312.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 52, 180) }
```

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

```
.background{ background-color: rgb(116, 52,  
180) }
```

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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