

Converting Colors

CIELCh(37, 93.531, 312.133)

Have a look what the booklet for
CIELCh(37, 93.531, 312.133)
contains.

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Color

CIELCh(37, 93.737, 312.180)

Conversions

Conversions Part 1

Format	Color
Hex	7627CA
RGB	118, 39, 202
RGB Percent	46%, 15%, 79%
CMY	0.5379, 0.8477, 0.2084
CMYK	0.42, 0.81, 0.00, 0.21
HSL	269°, 68%, 47%
HSV	269°, 81%, 79%
XYZ	18.8126, 9.5379, 56.6329
YIQ	81.2030, -5.2390, 67.4410

Conversions

Conversions Part 2

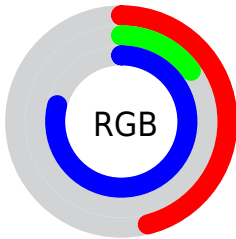
Format	Color
R _{YB}	118, 39, 202
Decimal	7743434
CIE _{Lab}	37.00, 62.94, -69.46
CIE _{LCh}	37, 93.737, 312.180
Yxy	9.5379, 0.2214, 0.1122
Android (android.graphics.Color)	4285933514 (0xFF7627CA)
YUV	81.2030, 59.5529, 32.2710
Hunter-Lab	30.8835, 54.6864, -87.1051

Details

The CIELCh color **37, 93.737, 312.180** 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, 82.566, 125.987**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 91.055, 312.584**, and **20, 84.547, 309.842** is the 20% darker color. If you saturate the color by 10%, you get **34, 100.803, 311.976**, and if you desaturate by 10%, it is **41, 84.203, 312.038**.

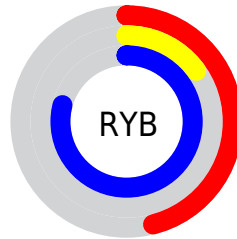
Distribution



Red (46%)

Green (15%)

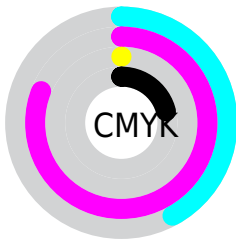
Blue (79%)



Red (46%)

Yellow (15%)

Blue (79%)

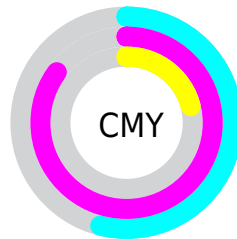


Cyan (42%)

Magenta (81%)

Yellow (0%)

Black (21%)



Cyan (54%)


Magenta (85%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 93.737, 312.180 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, 93.737, 312.180 by changing the saturation by 10% instead.


 37, 93.737,
312.180


 37, 93.737,
312.180

 100, 93.737,
312.180


 27, 93.737,
312.180

 57, 93.737,
312.180


 17, 93.737,
312.180


 67, 93.737,
312.180

 7, 93.737, 312.180

 77, 93.737,
312.180

 0, 93.737, 312.180

 87, 93.737,
312.180

 97, 93.737,
312.180

■ 37, 93.737,
312.180

■ 37, 93.737,
312.180

■ 34, 100.803,
311.976

■ 41, 84.203,
312.038

■ 31, 105.052,
311.486

■ 46, 73.063,
311.667

■ 51, 61.066,
311.169

■ 57, 48.736,
310.617

■ 63, 36.404,
310.057

■ 69, 24.257,
309.518

■ 75, 12.396,
309.012

■ 81, 0.870, 308.434

■ 87, 10.304,
128.165

Harmonies

Complementary

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



37, 93.737, 312.180



74, 82.566, 125.987

Rectangle

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



37, 93.737, 312.180



37, 93.737, 2.180



37, 93.737, 132.180



37, 93.737, 182.180

Sweetspot

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



37, 93.737, 312.181



83, 34.065, 309.707



51, 47.950, 273.983



41, 23.510, 309.902



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, 93.737, 312.181



41, 124.180, 311.533



49, 90.936, 327.449



40, 6.579, 308.946



25, 90.606, 311.646



2, 24.471, 306.076

Inverse Universe

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



46, 67.383, 354.233



55, 84.584, 0.229



71, 93.155, 136.906



40, 5.367, 343.560



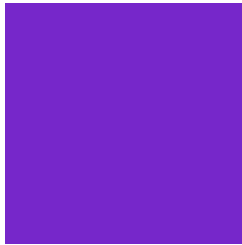
35, 61.611, 0.185



4, 20.077, 352.568

Previews

White Background



This preview shows how the CIELCh color 37, 93.737, 312.180 looks on a white background.

Color Contrast Check

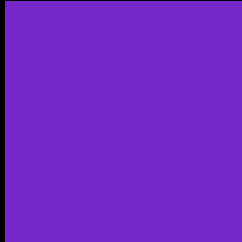
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.737, 312.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

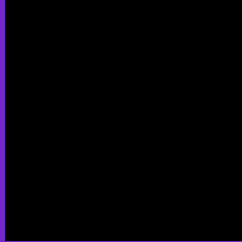
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 93.737, 312.180

Background



This preview shows how black text looks on a background with the CIELCh color 37, 93.737, 312.180.



This preview shows how white text looks on a background with the CIELCh color 37, 93.737, 312.180.

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](#).

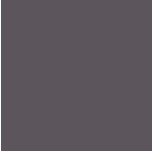
Dichromacy



Original Color
37, 93.737, 312.180

Protanopia
37, 57.505, 286.071

Deuteranopia
37, 40.716, 273.143



Tritanopia
37, 5.509, 328.480

Trichromacy



Original Color
37, 93.737, 312.180



Protanomaly
34, 73.284, 297.223



Deuteranomaly
34, 62.126, 294.321



Tritanomaly
35, 41.356, 312.412

Monochromacy



Original Color
37, 93.737, 312.180



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 38.262, 310.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 93.737, 312.180 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(118, 39, 202)` looks like.

```
.text, #text, p{  
    color:rgb(118, 39, 202)  
}
```

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(118, 39, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 39, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 93.737, 312.180 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(118, 39, 202) }
```

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

```
.border{ border-color:rgb(118, 39, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 39, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 39, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 39, 202);  
box-shadow:4px 4px 4px 4px rgb(118, 39,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 93.737, 312.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 39, 202) }
```

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

```
.background{ background-color: rgb(118, 39,  
202) }
```

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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