

Converting Colors

CIELCh(37, 120.156, 310.979)

Have a look what the booklet for
CIELCh(37, 120.156, 310.979)
contains.

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Color

CIELCh(37, 119.942, 310.937)

Conversions

Conversions Part 1

Format	Color
Hex	6F00EF
RGB	111, 0, 239
RGB Percent	44%, 0%, 94%
CMY	0.5665, 1.0000, 0.0643
CMYK	0.54, 1.00, 0.00, 0.06
HSL	268°, 100%, 47%
HSV	268°, 100%, 94%
XYZ	22.0092, 9.5379, 82.0337
YIQ	60.4350, -10.5630, 97.8610

Conversions

Conversions Part 2

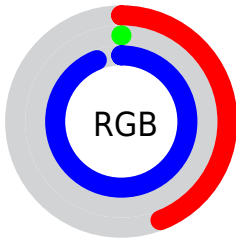
Format	Color
R_{YB}	111, 0, 239
Decimal	7274735
CIE _{Lab}	37.00, 78.59, -90.61
CIE _{LCh}	37, 119.942, 310.937
Yxy	9.5379, 0.1938, 0.0840
Android (android.graphics.Color)	4285464815 (0xFF6F00EF)
YUV	60.4350, 88.0325, 44.3455
Hunter-Lab	30.8835, 73.1620, -135.8693

Details

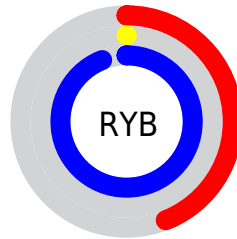
The CIELCh color **37, 119.942, 310.937** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **85, 102.756, 127.045**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 99.194, 313.699**, and **22, 102.289, 307.002** is the 20% darker color. If you saturate the color by 10%, you get **37, 119.818, 310.915**, and if you desaturate by 10%, it is **40, 114.836, 311.482**.

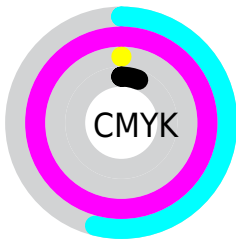
Distribution



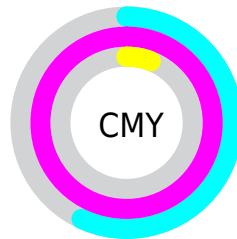
- Red (44%)
- Green (0%)
- Blue (94%)



- Red (44%)
- Yellow (0%)
- Blue (94%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (57%)
- Magenta (100%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 119.942, 310.937 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, 119.942, 310.937 by changing the saturation by 10% instead.


 37, 119.942,
310.937


 37, 119.942,
310.937


 100, 119.942,
310.937


 27, 119.942,
310.937


 57, 119.942,
310.937


 17, 119.942,
310.937


 67, 119.942,
310.937

 7, 119.942,
310.937

 77, 119.942,
310.937

 0, 119.942,
310.937

 87, 119.942,
310.937

 97, 119.942,
310.937

■ 37, 119.942,
310.937

■ 37, 119.942,
310.937

■ 37, 119.818,
310.915

■ 40, 114.836,
311.482

■ 44, 106.609,
311.654

■ 48, 95.525,
311.465

■ 54, 82.626,
311.046

■ 60, 68.796,
310.504

■ 67, 54.639,
309.914

■ 74, 40.522,
309.324

■ 80, 26.651,

308.761

■ 87, 13.131,
308.238

Harmonies

Complementary

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



37, 119.942, 310.937



85, 102.756, 127.045

Rectangle

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



37, 119.942, 310.937



37, 119.942, 0.937



37, 119.942, 130.937



37, 119.942, 180.937

Sweetspot

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



37, 119.818, 310.915



78, 42.771, 309.330



55, 62.978, 279.545



39, 29.330, 309.578



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, 119.818, 310.915



40, 126.053, 310.875



55, 110.191, 326.240



46, 7.483, 308.211



28, 98.263, 311.101



5, 39.486, 310.903

Inverse Universe

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



52, 81.072, 359.255



55, 85.220, 359.412



83, 113.663, 135.864



47, 6.219, 342.454



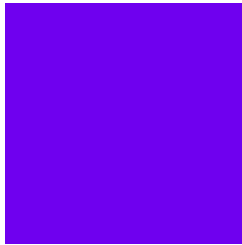
40, 66.747, 358.541



8, 29.824, 352.793

Previews

White Background



This preview shows how the CIELCh color 37, 119.942, 310.937 looks on a white background.

Color Contrast Check

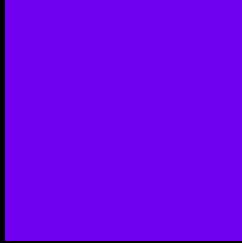
Large Text (above 18pt) WCAG AA ✓ Pass

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, 119.942, 310.937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

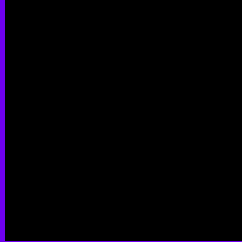
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 119.942, 310.937

Background



This preview shows how black text looks on a background with the CIELCh color 37, 119.942, 310.937.



This preview shows how white text looks on a background with the CIELCh color 37, 119.942, 310.937.

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, 119.942, 310.937

Protanopia

38, 58.004, 286.087

Deuteranopia

37, 40.189, 272.261



Tritanopia
38, 10.867, 221.793

Trichromacy



Original Color
37, 119.942, 310.937

Protanomaly
33, 89.214, 301.232

Deuteranomaly
32, 78.147, 299.518

Tritanomaly
32, 57.238, 305.222

Monochromacy



Original Color
37, 119.942, 310.937

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 56.349, 311.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 119.942, 310.937 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(111, 0, 239)` looks like.

```
.text, #text, p{  
    color:rgb(111, 0, 239)  
}
```

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(111, 0, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 0, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 119.942, 310.937 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(111, 0, 239) }
```

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

```
.border{ border-color:rgb(111, 0, 239) }
```

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

Here you see how a box with a 4 pixel rgb(111, 0, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 0, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 0, 239);  
box-shadow:4px 4px 4px 4px rgb(111, 0,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 119.942, 310.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 0, 239) }
```

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

```
.background{ background-color: rgb(111, 0,  
239) }
```

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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