

Converting Colors

CIELCh(37, 118.868, 311.245)

Have a look what the booklet for
CIELCh(37, 118.868, 311.245)
contains.

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Color

CIELCh(37, 118.424, 311.252)

Conversions

Conversions Part 1

Format	Color
Hex	7100EC
RGB	113, 0, 236
RGB Percent	44%, 0%, 93%
CMY	0.5575, 1.0000, 0.0751
CMYK	0.52, 1.00, 0.00, 0.08
HSL	269°, 100%, 46%
HSV	269°, 100%, 92%
XYZ	21.9010, 9.5379, 79.9226
YIQ	60.6910, -8.4080, 97.3520

Conversions

Conversions Part 2

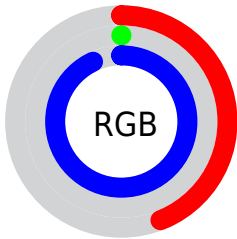
Format	Color
R_{YB}	113, 0, 236
Decimal	7405804
CIE _{Lab}	37.00, 78.09, -89.03
CIE _{LCh}	37, 118.424, 311.252
Yxy	9.5379, 0.1967, 0.0856
Android (android.graphics.Color)	4285595884 (0xFF7100EC)
YUV	60.6910, 86.4273, 45.8750
Hunter-Lab	30.8835, 72.5366, -131.8165

Details

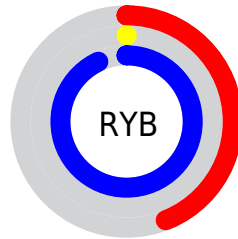
The CIELCh color **37, 118.424, 311.252** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **84, 102.359, 127.568**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 99.159, 314.021**, and **22, 100.586, 307.296** is the 20% darker color. If you saturate the color by 10%, you get **37, 118.374, 311.244**, and if you desaturate by 10%, it is **40, 113.493, 311.828**.

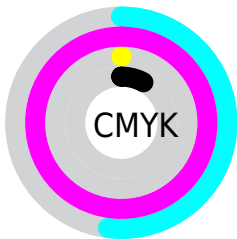
Distribution



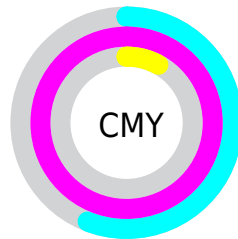
- Red (44%)
- Green (0%)
- Blue (93%)



- Red (44%)
- Yellow (0%)
- Blue (93%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (56%)
- Magenta (100%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 118.424, 311.252 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, 118.424, 311.252 by changing the saturation by 10% instead.


 37, 118.424,
311.252


 37, 118.424,
311.252


 100, 118.424,
311.252


 27, 118.424,
311.252


 57, 118.424,
311.252


 17, 118.424,
311.252


 67, 118.424,
311.252

 7, 118.424,
311.252

 77, 118.424,
311.252

 0, 118.424,
311.252

 87, 118.424,
311.252

 97, 118.424,
311.252

■ 37, 118.424,
311.252

■ 37, 118.424,
311.252

■ 37, 118.374,
311.244

■ 40, 113.493,
311.828

■ 43, 105.442,
312.025

■ 48, 94.565,
311.867

■ 54, 81.869,
311.478

■ 60, 68.220,
310.963

■ 66, 54.216,
310.396

■ 73, 40.229,
309.824

■ 80, 26.469,

309.275

■ 87, 13.046,
308.763

Harmonies

Complementary

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



37, 118.424, 311.252



84, 102.359, 127.568

Rectangle

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



37, 118.424, 311.252



37, 118.424, 1.252



37, 118.424, 131.252



37, 118.424, 181.252

Sweetspot

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



37, 118.374, 311.244



78, 42.866, 309.831



53, 64.581, 281.385



39, 29.389, 310.072



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, 118.374, 311.244



40, 125.641, 311.196



55, 109.111, 326.900



46, 7.374, 308.737



28, 96.923, 311.434



4, 37.567, 310.888

Inverse Universe

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



51, 80.089, 0.661



55, 84.930, 0.855



82, 112.746, 135.914



46, 6.047, 343.242



39, 65.816, 359.900



8, 28.825, 353.589

Previews

White Background



This preview shows how the CIELCh color 37, 118.424, 311.252 looks on a white background.

Color Contrast Check

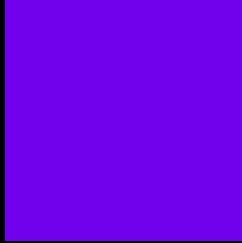
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.424, 311.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

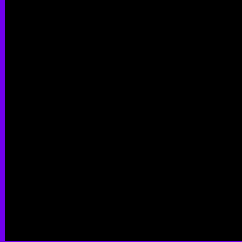
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 118.424, 311.252

Background



This preview shows how black text looks on a background with the CIELCh color 37, 118.424, 311.252.



This preview shows how white text looks on a background with the CIELCh color 37, 118.424, 311.252.

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

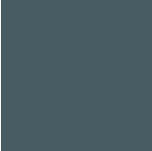
37, 118.424, 311.252

Protanopia

38, 58.004, 286.087

Deuteranopia

38, 40.712, 272.815



Tritanopia
38, 9.016, 227.264

Trichromacy



Original Color
37, 118.424, 311.252

Protanomaly
33, 88.656, 301.247

Deuteranomaly
32, 78.123, 299.604

Tritanomaly
32, 56.644, 306.425

Monochromacy



Original Color
37, 118.424, 311.252

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 55.724, 311.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 118.424, 311.252 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(113, 0, 236)` looks like.

```
.text, #text, p{  
  color:rgb(113, 0, 236)  
}
```

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(113, 0, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 0, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 118.424, 311.252 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(113, 0, 236) }
```

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

```
.border{ border-color:rgb(113, 0, 236) }
```

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

Here you see how a box with a 4 pixel rgb(113, 0, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 0, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 0, 236);  
box-shadow:4px 4px 4px 4px rgb(113, 0,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 118.424, 311.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 0, 236) }
```

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

```
.background{ background-color: rgb(113, 0,  
236) }
```

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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