

Converting Colors

CIELCh(37, 114.819, 312.280)

Have a look what the booklet for
CIELCh(37, 114.819, 312.280)
contains.

CIELCh(37, 114.717, 312.197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(37, 114.717, 312.197)

Conversions

Conversions Part 1

Format	Color
Hex	7700E5
RGB	119, 0, 229
RGB Percent	47%, 0%, 90%
CMY	0.5343, 1.0000, 0.1028
CMYK	0.48, 1.00, 0.00, 0.10
HSL	271°, 100%, 45%
HSV	271°, 100%, 90%
XYZ	21.6805, 9.5379, 74.6649
YIQ	61.6870, -2.5850, 96.4470

Conversions

Conversions Part 2

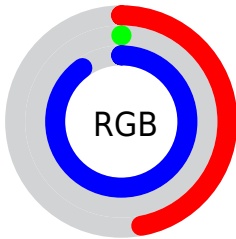
Format	Color
R_{YB}	119, 0, 229
Decimal	7799013
CIE _{Lab}	37.00, 77.05, -84.99
CIE _{LCh}	37, 114.717, 312.197
Yxy	9.5379, 0.2048, 0.0901
Android (android.graphics.Color)	4285989093 (0xFF7700E5)
YUV	61.6870, 82.4853, 50.2635
Hunter-Lab	30.8835, 71.2623, -121.7227

Details

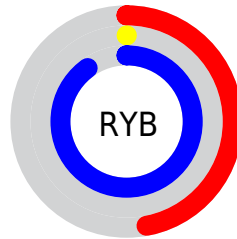
The CIELCh color **37, 114.717, 312.197** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **81, 101.343, 128.886**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 99.095, 314.672**, and **22, 96.855, 308.181** is the 20% darker color. If you saturate the color by 10%, you get **37, 114.647, 312.185**, and if you desaturate by 10%, it is **40, 110.044, 312.805**.

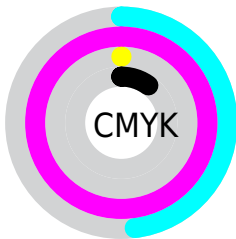
Distribution



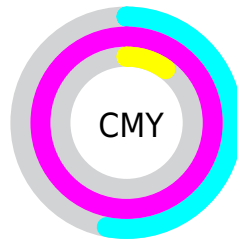
- Red (47%)
- Green (0%)
- Blue (90%)



- Red (47%)
- Yellow (0%)
- Blue (90%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (53%)
- Magenta (100%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 114.717, 312.197 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, 114.717, 312.197 by changing the saturation by 10% instead.


 37, 114.717,
312.197


 37, 114.717,
312.197


 100, 114.717,
312.197


 27, 114.717,
312.197


 57, 114.717,
312.197


 17, 114.717,
312.197


 67, 114.717,
312.197

 7, 114.717,
312.197

 77, 114.717,
312.197

 0, 114.717,
312.197

 87, 114.717,
312.197

 97, 114.717,
312.197

■ 37, 114.717,
312.197

■ 37, 114.717,
312.197

■ 37, 114.647,
312.185

■ 40, 110.044,
312.805

■ 43, 102.454,
313.060

■ 48, 92.115,
312.974

■ 53, 79.945,
312.657

■ 59, 66.759,
312.207

■ 65, 53.150,
311.694

■ 71, 39.493,
311.167

■ 78, 26.013,

310.652

■ 84, 12.832,
310.165

Harmonies

Complementary

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



37, 114.717, 312.197



81, 101.343, 128.886

Rectangle

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



37, 114.717, 312.197



37, 114.717, 2.197



37, 114.717, 132.197



37, 114.717, 182.197

Sweetspot

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



37, 114.647, 312.185



79, 43.135, 311.176



48, 69.748, 286.318



39, 29.557, 311.399



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, 114.647, 312.185



41, 124.527, 312.117



54, 105.066, 328.914



45, 7.301, 310.140



28, 95.064, 312.369



4, 35.743, 311.715

Inverse Universe

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



49, 77.835, 4.512



55, 84.472, 4.815



80, 110.065, 136.120



45, 5.779, 345.454



38, 64.696, 3.702



7, 27.434, 356.394

Previews

White Background



This preview shows how the CIE LCh color 37, 114.717, 312.197 looks on a white background.

Color Contrast Check

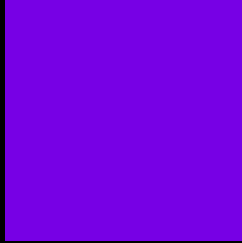
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.717, 312.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

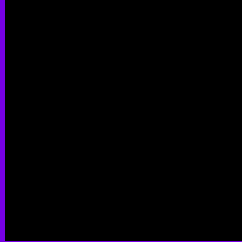
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 114.717, 312.197

Background



This preview shows how black text looks on a background with the CIELCh color 37, 114.717, 312.197.



This preview shows how white text looks on a background with the CIELCh color 37, 114.717, 312.197.

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, 114.717, 312.197

Protanopia

38, 58.004, 286.087

Deuteranopia

38, 40.712, 272.815



Tritanopia
38, 4.725, 265.491

Trichromacy



Original Color
37, 114.717, 312.197

Protanomaly
33, 87.536, 301.285

Deuteranomaly
32, 76.407, 299.572

Tritanomaly
33, 55.172, 310.857

Monochromacy



Original Color
37, 114.717, 312.197

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 54.591, 312.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 114.717, 312.197 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(119, 0, 229)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 229)  
}
```

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(119, 0, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 114.717, 312.197 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(119, 0, 229) }
```

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

```
.border{ border-color:rgb(119, 0, 229) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 114.717, 312.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 229) }
```

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

```
.background{ background-color: rgb(119, 0,  
229) }
```

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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