

Converting Colors

CIELCh(37, 108.494, 312.200)

Have a look what the booklet for
CIELCh(37, 108.494, 312.200)
contains.

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Color

CIELCh(37, 108.561, 312.203)

Conversions

Conversions Part 1

Format	Color
Hex	7712DD
RGB	119, 18, 221
RGB Percent	47%, 7%, 87%
CMY	0.5342, 0.9308, 0.1341
CMYK	0.46, 0.92, 0.00, 0.13
HSL	270°, 85%, 47%
HSV	270°, 92%, 87%
XYZ	20.8138, 9.5379, 69.0119
YIQ	71.3410, -4.9670, 84.5450

Conversions

Conversions Part 2

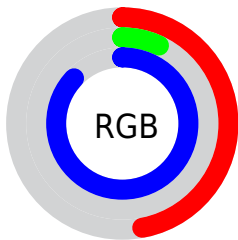
Format	Color
R _{YB}	119, 18, 221
Decimal	7803613
CIE Lab	37.00, 72.93, -80.42
CIE LCh	37, 108.561, 312.203
Yxy	9.5379, 0.2095, 0.0960
Android (android.graphics.Color)	4285993693 (0xFF7712DD)
YUV	71.3410, 73.7819, 41.7969
Hunter-Lab	30.8835, 66.2529, -110.8702

Details

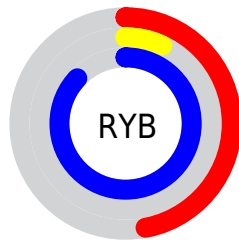
The CIELCh color **37, 108.561, 312.203** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **79, 95.142, 127.278**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 96.703, 314.114**, and **22, 92.952, 308.639** is the 20% darker color. If you saturate the color by 10%, you get **35, 112.116, 311.717**, and if you desaturate by 10%, it is **40, 101.602, 312.502**.

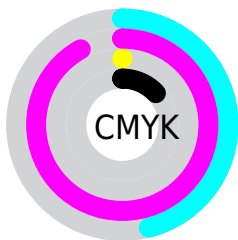
Distribution



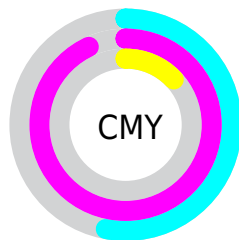
- Red (47%)
- Green (7%)
- Blue (87%)



- Red (47%)
- Yellow (7%)
- Blue (87%)



- Cyan (46%)
- Magenta (92%)
- Yellow (0%)
- Black (13%)





- Cyan (53%)
- Magenta (93%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 108.561, 312.203 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, 108.561, 312.203 by changing the saturation by 10% instead.


 37, 108.561,
312.203


 37, 108.561,
312.203


 100, 108.561,
312.203


 27, 108.561,
312.203


 57, 108.561,
312.203


 17, 108.561,
312.203


 67, 108.561,
312.203

 7, 108.561,
312.203

 77, 108.561,
312.203

 0, 108.561,
312.203

 87, 108.561,
312.203

 97, 108.561,
312.203

■ 37, 108.561,
312.203

■ 37, 108.561,
312.203

■ 35, 112.116,
311.717

■ 40, 101.602,
312.502

■ 45, 91.828,
312.434

■ 50, 80.144,
312.116

■ 55, 67.390,
311.652

■ 61, 54.176,
311.120

■ 68, 40.896,
310.571

■ 74, 27.779,
310.037

■ 80, 14.951,

309.532

■ 87, 2.474, 309.031

Harmonies

Complementary

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



37, 108.561, 312.203



79, 95.142, 127.278

Rectangle

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



37, 108.561, 312.203



37, 108.561, 2.203



37, 108.561, 132.203



37, 108.561, 182.203

Sweetspot

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



37, 108.561, 312.204



80, 40.030, 310.366



51, 58.364, 279.285



40, 27.774, 310.602



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, 108.561, 312.204



41, 125.109, 311.626



52, 102.139, 327.558



43, 7.002, 309.407



27, 93.448, 311.902



3, 31.224, 309.314

Inverse Universe

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



48, 75.048, 359.137



55, 84.652, 2.737



77, 105.414, 136.209



43, 5.646, 344.279



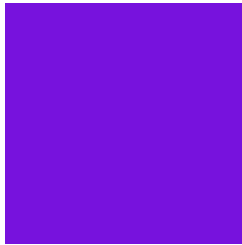
37, 63.515, 1.581



6, 25.090, 354.375

Previews

White Background



This preview shows how the CIELCh color 37, 108.561, 312.203 looks on a white background.

Color Contrast Check

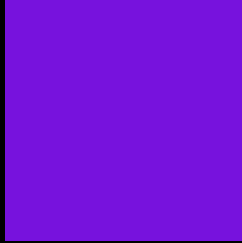
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.561, 312.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

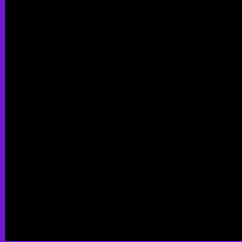
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 108.561, 312.203

Background



This preview shows how black text looks on a background with the CIELCh color 37, 108.561, 312.203.



This preview shows how white text looks on a background with the CIELCh color 37, 108.561, 312.203.

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, 108.561, 312.203

Protanopia

37, 57.505, 286.071

Deuteranopia

37, 40.716, 273.143



Tritanopia
37, 4.326, 290.882

Trichromacy



Original Color
37, 108.561, 312.203

Protanomaly
33, 81.683, 299.697

Deuteranomaly
33, 70.812, 297.592

Tritanomaly
34, 49.746, 311.039

Monochromacy



Original Color
37, 108.561, 312.203

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 47.565, 311.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 108.561, 312.203 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, 18, 221)` looks like.

```
.text, #text, p{  
    color:rgb(119, 18, 221)  
}
```

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, 18, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 18, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 108.561, 312.203 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, 18, 221) }
```

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

```
.border{ border-color:rgb(119, 18, 221) }
```

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

Here you see how a box with a 4 pixel rgb(119, 18, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 18, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 18, 221);  
box-shadow:4px 4px 4px 4px rgb(119, 18,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 108.561, 312.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 18, 221) }
```

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

```
.background{ background-color: rgb(119, 18,  
221) }
```

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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