

Converting Colors

CIELCh(37, 97.888, 312.546)

Have a look what the booklet for
CIELCh(37, 97.888, 312.546)
contains.

CIELCh(37, 97.645, 312.607)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 97.645, 312.607)

Conversions

Conversions Part 1

Format	Color
Hex	7821CE
RGB	120, 33, 206
RGB Percent	47%, 13%, 81%
CMY	0.5294, 0.8706, 0.1921
CMYK	0.42, 0.84, 0.00, 0.19
HSL	270°, 72%, 47%
HSV	270°, 84%, 81%
XYZ	19.4316, 9.5379, 59.2119
YIQ	78.7350, -3.6810, 72.2470

Conversions

Conversions Part 2

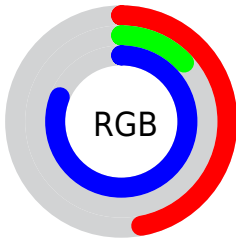
Format	Color
R _Y B	120, 33, 206
Decimal	7872974
CIE Lab	37.00, 66.10, -71.87
CIE LCh	37, 97.645, 312.607
Yxy	9.5379, 0.2204, 0.1082
Android (android.graphics.Color)	4286063054 (0xFF7821CE)
YUV	78.7350, 62.7416, 36.1894
Hunter-Lab	30.8835, 58.2641, -92.0562

Details

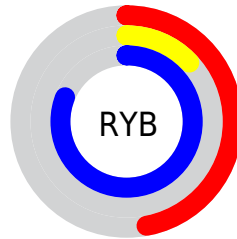
The CIELCh color **37, 97.645, 312.607** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark muted purple. A complement of this color would be **75, 86.346, 126.785**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 93.167, 313.329**, and **20, 85.841, 309.805** is the 20% darker color. If you saturate the color by 10%, you get **34, 103.704, 312.236**, and if you desaturate by 10%, it is **41, 88.820, 312.600**.

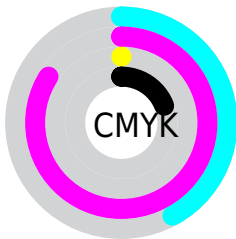
Distribution



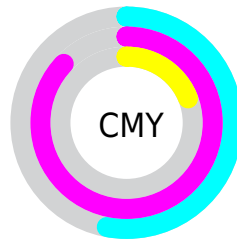
- Red (47%)
- Green (13%)
- Blue (81%)



- Red (47%)
- Yellow (13%)
- Blue (81%)



- Cyan (42%)
- Magenta (84%)
- Yellow (0%)
- Black (19%)




- Cyan (53%)
- Magenta (87%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 97.645, 312.607 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, 97.645, 312.607 by changing the saturation by 10% instead.


 37, 97.645,
312.607


 37, 97.645,
312.607

 100, 97.645,
312.607


 27, 97.645,
312.607

 57, 97.645,
312.607


 17, 97.645,
312.607


 67, 97.645,
312.607

 7, 97.645, 312.607

 77, 97.645,
312.607

 0, 97.645, 312.607

 87, 97.645,
312.607

 97, 97.645,
312.607

■ 37, 97.645,
312.607

■ 37, 97.645,
312.607

■ 34, 103.704,
312.236

■ 41, 88.820,
312.600

■ 33, 106.262,
311.881

■ 46, 78.048,
312.326

■ 51, 66.138,
311.891

■ 56, 53.702,
311.376

■ 62, 41.142,
310.836

■ 68, 28.700,
310.303

■ 74, 16.508,
309.798

■ 80, 4.636, 309.317

Harmonies

Complementary

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



37, 97.645, 312.607



75, 86.346, 126.785

Rectangle

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



37, 97.645, 312.607



37, 97.645, 2.607



37, 97.645, 132.607



37, 97.645, 182.607

Sweetspot

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



37, 97.645, 312.608



82, 35.639, 310.373



50, 52.095, 277.251



41, 24.419, 310.561



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, 97.645, 312.608



41, 124.971, 311.741



50, 94.002, 328.079



40, 6.604, 309.577



26, 90.253, 312.056



3, 24.556, 306.752

Inverse Universe

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



46, 69.164, 356.645



55, 84.598, 3.228



73, 96.705, 136.797



40, 5.301, 344.546



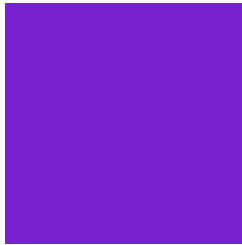
35, 61.398, 1.893



4, 19.891, 353.712

Previews

White Background



This preview shows how the CIE LCh color 37, 97.645, 312.607 looks on a white background.

Color Contrast Check

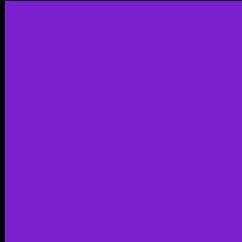
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.645, 312.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

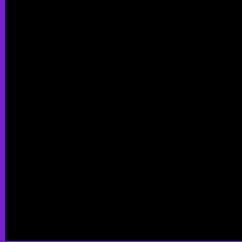
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 97.645, 312.607

Background



This preview shows how black text looks on a background with the CIELCh color 37, 97.645, 312.607.



This preview shows how white text looks on a background with the CIELCh color 37, 97.645, 312.607.

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](#).

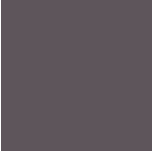
Dichromacy



Original Color
37, 97.645, 312.607

Protanopia
37, 57.505, 286.071

Deuteranopia
37, 40.716, 273.143



Tritanopia
37, 5.337, 336.253

Trichromacy



Original Color
37, 97.645, 312.607



Protanomaly
34, 75.131, 298.001



Deuteranomaly
33, 64.024, 295.349



Tritanomaly
35, 43.343, 313.155

Monochromacy



Original Color
37, 97.645, 312.607



Achromatopsia
34, 0.005, 296.813



Achromatomaly
32, 41.045, 311.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 97.645, 312.607 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(120, 33, 206)` looks like.

```
.text, #text, p{  
    color:rgb(120, 33, 206)  
}
```

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(120, 33, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 33, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 97.645, 312.607 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(120, 33, 206) }
```

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

```
.border{ border-color:rgb(120, 33, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 33, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 33, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 33, 206);  
box-shadow:4px 4px 4px 4px rgb(120, 33,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 97.645, 312.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 33, 206) }
```

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

```
.background{ background-color: rgb(120, 33,  
206) }
```

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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