

Converting Colors

CIELCh(37, 60.882, 315.961)

Have a look what the booklet for
CIELCh(37, 60.882, 315.961)
contains.

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Color

CIELCh(37, 60.854, 315.949)

Conversions

Conversions Part 1

Format	Color
Hex	783B9C
RGB	120, 59, 156
RGB Percent	47%, 23%, 61%
CMY	0.5291, 0.7683, 0.3879
CMYK	0.23, 0.62, 0.00, 0.39
HSL	278°, 45%, 42%
HSV	278°, 62%, 61%
XYZ	15.3328, 9.5379, 32.5220
YIQ	88.2970, 5.2190, 43.0990

Conversions

Conversions Part 2

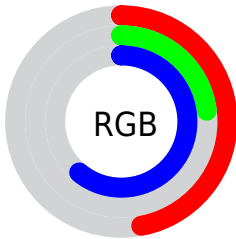
Format	Color
R_{YB}	120, 59, 156
Decimal	7879580
CIE _{Lab}	37.00, 43.74, -42.31
CIE _{LCh}	37, 60.854, 315.949
Yxy	9.5379, 0.2672, 0.1662
Android (android.graphics.Color)	4286069660 (0xFF783B9C)
YUV	88.2970, 33.3776, 27.8035
Hunter-Lab	30.8835, 34.5743, -40.8170

Details

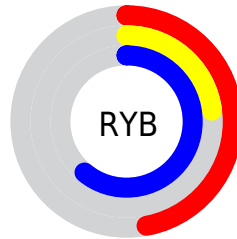
The CIELCh color **37, 60.854, 315.949** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **59, 57.398, 130.626**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 60.604, 315.975**, and **17, 60.993, 315.859** is the 20% darker color. If you saturate the color by 10%, you get **33, 69.266, 316.121**, and if you desaturate by 10%, it is **41, 51.510, 315.637**.

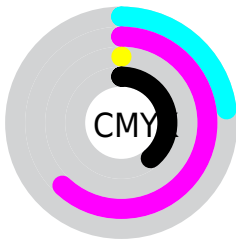
Distribution



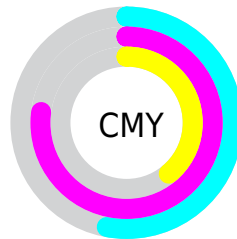
- Red (47%)
- Green (23%)
- Blue (61%)



- Red (47%)
- Yellow (23%)
- Blue (61%)



- Cyan (23%)
- Magenta (62%)
- Yellow (0%)
- Black (39%)





- Cyan (53%)
- Magenta (77%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 60.854, 315.949 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, 60.854, 315.949 by changing the saturation by 10% instead.


 37, 60.854,
315.949


 37, 60.854,
315.949

 100, 60.854,
315.949


 27, 60.854,
315.949

 57, 60.854,
315.949


 17, 60.854,
315.949


 67, 60.854,
315.949

 7, 60.854, 315.949

 77, 60.854,
315.949

 0, 60.854, 315.949

 87, 60.854,
315.949

 97, 60.854,
315.949

■ 37, 60.854,
315.949

■ 37, 60.854,
315.949

■ 33, 69.266,
316.121

■ 41, 51.510,
315.637

■ 31, 76.217,
316.079

■ 45, 41.667,
315.243

■ 28, 81.186,
315.747

■ 50, 31.635,
314.809

■ 27, 84.065,
315.356

■ 54, 21.614,
314.364

■ 59, 11.730,
313.926

■ 63, 2.055, 313.462

■ 68, 7.372, 133.161

■ 73, 16.536,
132.800

■ 77, 25.431,
132.478

Harmonies

Complementary

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



37, 60.854, 315.949



59, 57.398, 130.626

Rectangle

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



37, 60.854, 315.949



37, 60.854, 5.949



37, 60.854, 135.949



37, 60.854, 185.949

Sweetspot

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



37, 60.853, 315.949



71, 22.996, 314.242



41, 37.059, 279.477



36, 15.832, 314.359



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37, 60.853, 315.949



43, 88.410, 316.133



42, 58.085, 331.371



31, 5.499, 313.801



24, 78.727, 315.437



1, 7.064, 312.364

Inverse Universe

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



40, 43.846, 359.860



47, 62.865, 3.851



57, 59.024, 142.112



31, 3.965, 352.003



30, 55.253, 13.231



1, 5.052, 352.457

Previews

White Background



This preview shows how the CIELCh color 37, 60.854, 315.949 looks on a white background.

Color Contrast Check

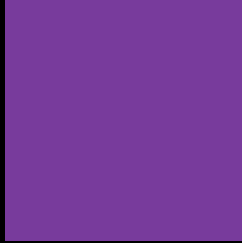
Large Text (above 18pt) WCAG AA ✓ Pass

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, 60.854, 315.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

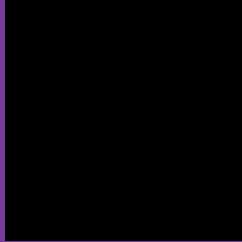
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 60.854, 315.949

Background



This preview shows how black text looks on a background with the CIELCh color 37, 60.854, 315.949.



This preview shows how white text looks on a background with the CIELCh color 37, 60.854, 315.949.

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, 60.854, 315.949

Protanopia
37, 59.277, 287.084

Deuteranopia
37, 39.174, 278.533



Tritanopia
37, 13.224, 5.397

Trichromacy



Original Color
37, 60.854, 315.949

Protanomaly
35, 59.443, 292.818

Deuteranomaly
36, 46.440, 294.502

Tritanomaly
37, 28.790, 327.691

Monochromacy



Original Color
37, 60.854, 315.949

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 24.086, 315.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 60.854, 315.949 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, 59, 156)` looks like.

```
.text, #text, p{  
    color:rgb(120, 59, 156)  
}
```

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, 59, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 59, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 60.854, 315.949 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, 59, 156) }
```

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

```
.border{ border-color:rgb(120, 59, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 59, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 59, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 59, 156);  
box-shadow:4px 4px 4px 4px rgb(120, 59,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 60.854, 315.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 59, 156) }
```

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

```
.background{ background-color: rgb(120, 59,  
156) }
```

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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