

Converting Colors

CIELCh(37, 70.895, 316.648)

Have a look what the booklet for
CIELCh(37, 70.895, 316.648)
contains.

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Color

CIELCh(37, 70.865, 316.623)

Conversions

Conversions Part 1

Format	Color
Hex	7E33A7
RGB	126, 51, 167
RGB Percent	49%, 20%, 65%
CMY	0.5070, 0.8011, 0.3462
CMYK	0.25, 0.70, 0.00, 0.35
HSL	279°, 53%, 43%
HSV	279°, 70%, 65%
XYZ	16.6840, 9.5379, 37.3862
YIQ	86.6490, 7.4640, 51.9760

Conversions

Conversions Part 2

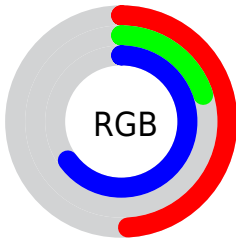
Format	Color
R _Y B	126, 51, 167
Decimal	8270759
CIE Lab	37.00, 51.51, -48.67
CIE LCh	37, 70.865, 316.623
Yxy	9.5379, 0.2623, 0.1499
Android (android.graphics.Color)	4286460839 (0xFF7E33A7)
YUV	86.6490, 39.6130, 34.5108
Hunter-Lab	30.8835, 42.3837, -50.1553

Details

The CIELCh color **37, 70.865, 316.623** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **62, 66.834, 130.941**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 71.128, 316.652**, and **18, 66.789, 315.747** is the 20% darker color. If you saturate the color by 10%, you get **34, 78.489, 316.624**, and if you desaturate by 10%, it is **41, 61.792, 316.426**.

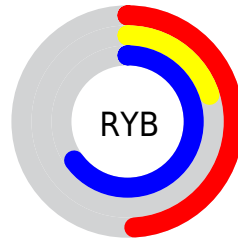
Distribution



Red (49%)

Green (20%)

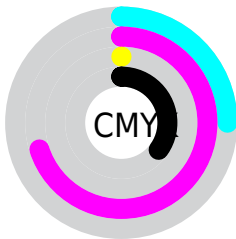
Blue (65%)



Red (49%)

Yellow (20%)

Blue (65%)

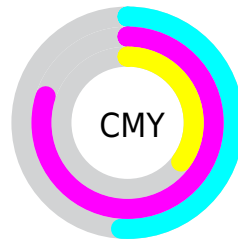


Cyan (25%)

Magenta (70%)

Yellow (0%)

Black (35%)



Cyan (51%)


Magenta (80%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 70.865, 316.623 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, 70.865, 316.623 by changing the saturation by 10% instead.

 37, 70.865,
316.623

 37, 70.865,
316.623

 100, 70.865,
316.623

 27, 70.865,
316.623

 57, 70.865,
316.623

 17, 70.865,
316.623


 67, 70.865,
316.623

 7, 70.865, 316.623

 77, 70.865,
316.623

 0, 70.865, 316.623

 87, 70.865,
316.623

 97, 70.865,
316.623

37, 70.865,
316.623

37, 70.865,
316.623

34, 78.489,
316.624

41, 61.792,
316.426

31, 84.111,
316.353

45, 51.817,
316.101

29, 87.815,
315.831

49, 41.371,
315.703

29, 87.971,
315.810

54, 30.760,
315.269

59, 20.184,
314.828

64, 9.766, 314.392

69, 0.423, 134.341

74, 10.347,
133.637

■ 78, 19.990,
133.284

Harmonies

Complementary

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



37, 70.865, 316.623



62, 66.834, 130.941

Rectangle

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



37, 70.865, 316.623



37, 70.865, 6.623



37, 70.865, 136.623



37, 70.865, 186.623

Sweetspot

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



37, 70.864, 316.623



74, 26.860, 314.907



40, 45.149, 283.303



38, 18.370, 315.024



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



37, 70.864, 316.623



43, 99.153, 316.528



42, 65.662, 332.453



33, 5.817, 314.380



26, 80.507, 315.912



1, 10.311, 311.434

Inverse Universe

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



40, 50.568, 3.231



48, 70.101, 8.434



60, 67.492, 141.519



33, 4.135, 353.154



31, 56.970, 15.078



2, 7.222, 355.663

Previews

White Background



This preview shows how the CIELCh color 37, 70.865, 316.623 looks on a white background.

Color Contrast Check

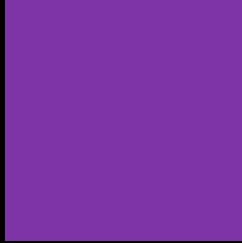
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.865, 316.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

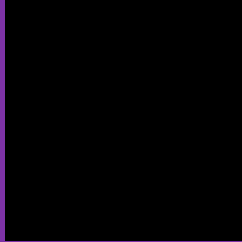
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 70.865, 316.623

Background



This preview shows how black text looks on a background with the CIELCh color 37, 70.865, 316.623.



This preview shows how white text looks on a background with the CIELCh color 37, 70.865, 316.623.

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, 70.865, 316.623

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 43.934, 276.484



Tritanopia
37, 15.456, 8.195

Trichromacy



Original Color
37, 70.865, 316.623



Protanomaly
35, 63.058, 294.491



Deuteranomaly
34, 53.549, 291.396



Tritanomaly
36, 33.724, 328.364

Monochromacy



Original Color
37, 70.865, 316.623



Achromatopsia
37, 0.005, 296.813



Achromatomaly
35, 28.109, 315.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 70.865, 316.623 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(126, 51, 167)` looks like.

```
.text, #text, p{  
    color:rgb(126, 51, 167)  
}
```

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(126, 51, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 51, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 70.865, 316.623 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(126, 51, 167) }
```

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

```
.border{ border-color:rgb(126, 51, 167) }
```

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

Here you see how a box with a 4 pixel rgb(126, 51, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 51, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 51, 167);  
box-shadow:4px 4px 4px 4px rgb(126, 51,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 70.865, 316.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 51, 167) }
```

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

```
.background{ background-color: rgb(126, 51,  
167) }
```

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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