

Converting Colors

CIELCh(37, 33.376, 329.589)

Have a look what the booklet for
CIELCh(37, 33.376, 329.589)
contains.

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Color

CIELCh(37, 33.376, 329.589)

Conversions

Conversions Part 1

Format	Color
Hex	784673
RGB	120, 70, 115
RGB Percent	47%, 27%, 45%
CMY	0.5308, 0.7267, 0.5504
CMYK	0.00, 0.42, 0.04, 0.53
HSL	306°, 26%, 37%
HSV	306°, 42%, 47%
XYZ	12.9421, 9.5379, 17.2761
YIQ	90.0800, 15.3550, 24.5950

Conversions

Conversions Part 2

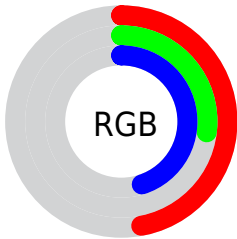
Format	Color
R_{YB}	120, 70, 115
Decimal	7882355
CIE _{Lab}	37.00, 28.78, -16.89
CIE _{LCh}	37, 33.376, 329.589
Yxy	9.5379, 0.3255, 0.2399
Android (android.graphics.Color)	4286072435 (0xFF784673)
YUV	90.0800, 12.2856, 26.2398
Hunter-Lab	30.8835, 20.7564, -11.5481

Details

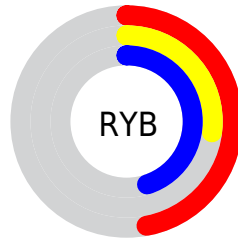
The CIELCh color **37, 33.376, 329.589** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **46, 33.416, 144.136**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 33.054, 329.453**, and **17, 33.718, 329.455** is the 20% darker color. If you saturate the color by 10%, you get **34, 40.700, 330.135**, and if you desaturate by 10%, it is **40, 25.581, 329.030**.

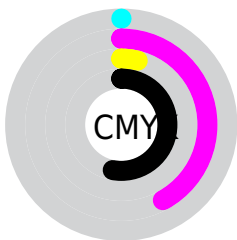
Distribution



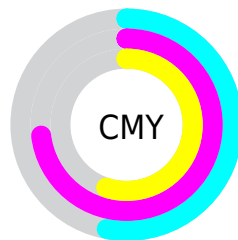
- Red (47%)
- Green (27%)
- Blue (45%)



- Red (47%)
- Yellow (27%)
- Blue (45%)



- Cyan (0%)
- Magenta (42%)
- Yellow (4%)
- Black (53%)





- Cyan (53%)
- Magenta (73%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 33.376, 329.589 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, 33.376, 329.589 by changing the saturation by 10% instead.


 37, 33.376,
329.589


 37, 33.376,
329.589

 100, 33.376,
329.589

 27, 33.376,
329.589

 57, 33.376,
329.589


 17, 33.376,
329.589


 67, 33.376,
329.589

 7, 33.376, 329.589

 77, 33.376,
329.589

 0, 33.376, 329.589

 87, 33.376,
329.589

 97, 33.376,
329.589

37, 33.376,
329.589

37, 33.376,
329.589

34, 40.700,
330.135

40, 25.581,
329.030

32, 47.277,
330.661

43, 17.550,
328.464

30, 52.797,
331.163

46, 9.453, 327.895

29, 56.976,
331.641

50, 1.412, 327.228

28, 59.636,
332.102

53, 6.494, 146.859

27, 61.246,
332.473

57, 14.217,
146.326

60, 21.732,
145.825

64, 29.026,
145.351

■ 67, 36.098,
144.901

Harmonies

Complementary

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



37, 33.376, 329.589



46, 33.416, 144.136

Rectangle

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



37, 33.376, 329.589



37, 33.376, 19.589



37, 33.376, 149.589



37, 33.376, 199.589

Sweetspot

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



37, 33.374, 329.589



59, 12.960, 327.984



32, 31.709, 297.982



30, 9.147, 328.090



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



37, 33.374, 329.589



45, 48.787, 330.107



36, 24.636, 352.783



23, 4.443, 327.736



28, 62.241, 332.484



58, 105.083, 332.746

Inverse Universe

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



37, 33.374, 329.589



45, 48.787, 330.107



46, 22.916, 164.319



23, 4.443, 327.736



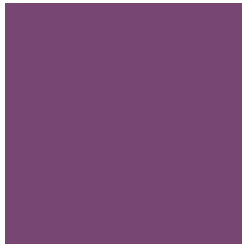
28, 62.241, 332.484



58, 105.083, 332.746

Previews

White Background



This preview shows how the CIELCh color 37, 33.376, 329.589 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, 33.376, 329.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

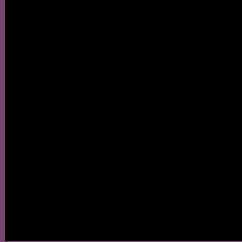
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 33.376, 329.589

Background



This preview shows how black text looks on a background with the CIELCh color 37, 33.376, 329.589.



This preview shows how white text looks on a background with the CIELCh color 37, 33.376, 329.589.

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, 33.376, 329.589

Protanopia

37, 25.466, 285.057

Deuteranopia

37, 16.078, 288.726



Tritanopia
37, 17.660, 12.354

Trichromacy



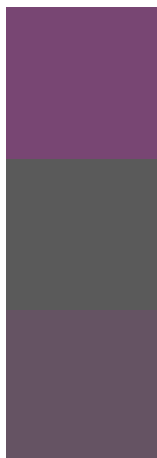
Original Color
37, 33.376, 329.589

Protanomaly
37, 27.027, 302.672

Deuteranomaly
37, 21.437, 309.900

Tritanomaly
37, 21.817, 349.083

Monochromacy



Original Color
37, 33.376, 329.589

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 12.391, 328.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 33.376, 329.589 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, 70, 115)` looks like.

```
.text, #text, p{  
    color:rgb(120, 70, 115)  
}
```

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, 70, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 70, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 33.376, 329.589 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, 70, 115) }
```

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

```
.border{ border-color:rgb(120, 70, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 70, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 70, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 70, 115);  
box-shadow:4px 4px 4px 4px rgb(120, 70,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 33.376, 329.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 70, 115) }
```

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

```
.background{ background-color: rgb(120, 70,  
115) }
```

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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