

Converting Colors

CIELCh(37, 33.673, 339.291)

Have a look what the booklet for
CIELCh(37, 33.673, 339.291)
contains.

CIELCh(37, 33.638, 339.322)	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, 33.638, 339.322)

Conversions

Conversions Part 1

Format	Color
Hex	7F436B
RGB	127, 67, 107
RGB Percent	50%, 26%, 42%
CMY	0.5029, 0.7381, 0.5813
CMYK	0.00, 0.47, 0.16, 0.50
HSL	320°, 31%, 38%
HSV	320°, 47%, 50%
XYZ	13.3519, 9.5379, 14.9842
YIQ	89.5000, 22.9200, 25.1600

Conversions

Conversions Part 2

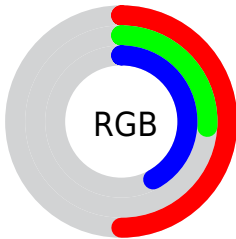
Format	Color
R_{YB}	127, 67, 107
Decimal	8340331
CIE _{Lab}	37.00, 31.47, -11.88
CIE _{LCh}	37, 33.638, 339.322
Yxy	9.5379, 0.3525, 0.2518
Android (android.graphics.Color)	4286530411 (0xFF7F436B)
YUV	89.5000, 8.6275, 32.8875
Hunter-Lab	30.8835, 23.1251, -7.1481

Details

The CIELCh color $[37, 33.638, 339.322]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[48, 33.153, 151.432]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 33.395, 339.582]$, and $[17, 33.798, 339.025]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 39.930, 340.313]$, and if you desaturate by 10%, it is $[40, 26.792, 338.428]$.

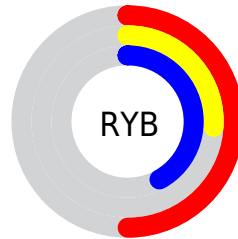
Distribution



Red (50%)

Green (26%)

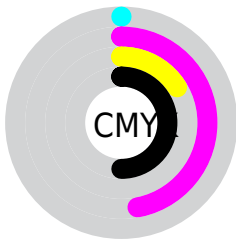
Blue (42%)



Red (50%)

Yellow (26%)

Blue (42%)

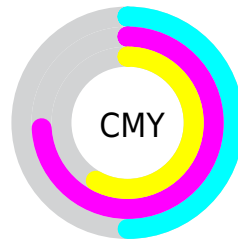


Cyan (0%)

Magenta (47%)

Yellow (16%)

Black (50%)



Cyan (50%)


Magenta (74%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 33.638, 339.322 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, 33.638, 339.322 by changing the saturation by 10% instead.


 37, 33.638,
339.322


 37, 33.638,
339.322

 100, 33.638,
339.322


 27, 33.638,
339.322

 57, 33.638,
339.322


 17, 33.638,
339.322


 67, 33.638,
339.322

 7, 33.638, 339.322

 77, 33.638,
339.322

 0, 33.638, 339.322

 87, 33.638,
339.322

 97, 33.638,
339.322

■ 37, 33.638,
339.322

■ 37, 33.638,
339.322

■ 34, 39.930,
340.313

■ 40, 26.792,
338.428

■ 32, 45.362,
341.433

■ 43, 19.655,
337.607

■ 30, 49.604,
342.735

■ 47, 12.416,
336.840

■ 28, 52.387,
344.287

■ 50, 5.208, 336.104

■ 27, 53.843,
346.109

■ 54, 1.883, 155.621

■ 27, 54.215,
346.600

■ 58, 8.807, 154.893

■ 62, 15.538,
154.295

■ 65, 22.066,
153.738

■ 69, 28.390,
153.216

Harmonies

Complementary

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



37, 33.638, 339.322



48, 33.153, 151.432

Rectangle

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



37, 33.638, 339.322



37, 33.638, 29.322



37, 33.638, 159.322



37, 33.638, 209.322

Sweetspot

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



37, 33.636, 339.323



62, 12.476, 336.620



33, 38.356, 305.684



31, 8.691, 336.756



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



37, 33.636, 339.323



45, 49.307, 340.424



36, 27.526, 10.502



25, 4.037, 336.237



27, 54.438, 346.614



0, 0.000, 0.000

Inverse Universe

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



37, 33.636, 339.323



45, 49.307, 340.424



49, 22.385, 180.188



25, 4.037, 336.237



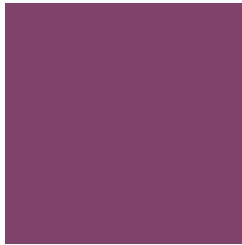
27, 54.438, 346.614



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 37, 33.638, 339.322 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, 33.638, 339.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

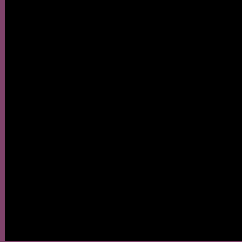
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 33.638, 339.322

Background



This preview shows how black text looks on a background with the CIELCh color 37, 33.638, 339.322.



This preview shows how white text looks on a background with the CIELCh color 37, 33.638, 339.322.

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, 33.638, 339.322

Protanopia

37, 21.737, 285.259

Deuteranopia

37, 11.170, 295.988



Tritanopia
37, 23.259, 15.855

Trichromacy



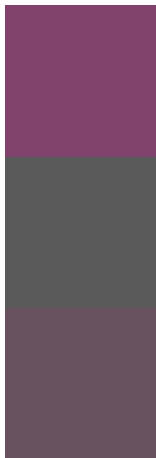
Original Color
37, 33.638, 339.322

Protanomaly
37, 23.823, 308.303

Deuteranomaly
37, 18.593, 322.384

Tritanomaly
37, 25.368, 359.991

Monochromacy



Original Color
37, 33.638, 339.322

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 12.666, 338.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 33.638, 339.322 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(127, 67, 107)` looks like.

```
.text, #text, p{  
    color:rgb(127, 67, 107)  
}
```

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(127, 67, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 67, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 33.638, 339.322 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(127, 67, 107) }
```

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

```
.border{ border-color:rgb(127, 67, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 67, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 67, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 67, 107);  
box-shadow:4px 4px 4px 4px rgb(127, 67,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 33.638, 339.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 67, 107) }
```

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

```
.background{ background-color: rgb(127, 67,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor