

Converting Colors

CIELCh(37, 13.083, 336.448)

Have a look what the booklet for
CIELCh(37, 13.083, 336.448)
contains.

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Color

CIELCh(37, 13.072, 336.453)

Conversions

Conversions Part 1

Format	Color
Hex	675160
RGB	103, 81, 96
RGB Percent	40%, 32%, 38%
CMY	0.5974, 0.6836, 0.6248
CMYK	0.00, 0.21, 0.07, 0.60
HSL	319°, 12%, 36%
HSV	319°, 21%, 40%
XYZ	10.5683, 9.5379, 12.2694
YIQ	89.2880, 8.2970, 9.3290

Conversions

Conversions Part 2

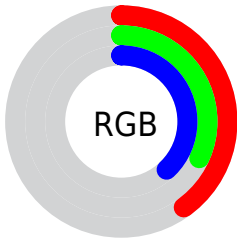
Format	Color
R_{YB}	103, 81, 96
Decimal	6771040
CIE _{Lab}	37.00, 11.98, -5.22
CIE _{LCh}	37, 13.072, 336.453
Yxy	9.5379, 0.3264, 0.2946
Android (android.graphics.Color)	4284961120 (0xFF675160)
YUV	89.2880, 3.3090, 12.0254
Hunter-Lab	30.8835, 7.0362, -1.9362

Details

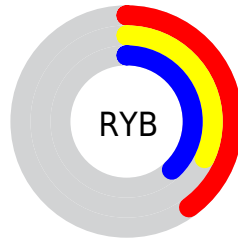
The CIELCh color $[37, 13.072, 336.453]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[41, 12.950, 153.503]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 13.091, 336.738]$, and $[17, 13.350, 336.491]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 19.202, 337.203]$, and if you desaturate by 10%, it is $[40, 6.927, 335.743]$.

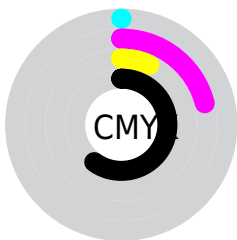
Distribution



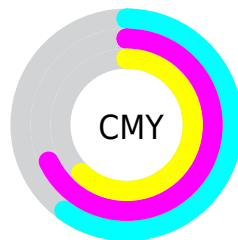
- Red (40%)
- Green (32%)
- Blue (38%)



- Red (40%)
- Yellow (32%)
- Blue (38%)



- Cyan (0%)
- Magenta (21%)
- Yellow (7%)
- Black (60%)





- Cyan (60%)
- Magenta (68%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 13.072, 336.453 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, 13.072, 336.453 by changing the saturation by 10% instead.


 37, 13.072,
336.453


 37, 13.072,
336.453

 100, 13.072,
336.453


 27, 13.072,
336.453

 57, 13.072,
336.453


 17, 13.072,
336.453


 67, 13.072,
336.453

 7, 13.072, 336.453

 77, 13.072,
336.453

 0, 13.072, 336.453

 87, 13.072,
336.453

 97, 13.072,
336.453

37, 13.072,
336.453

37, 13.072,
336.453

34, 19.202,
337.203

40, 6.927, 335.743

31, 25.198,
338.004

43, 0.854, 334.871

46, 5.096, 154.544

29, 30.887,
338.874

49, 10.895,
153.940

27, 36.045,
339.834

52, 16.530,
153.384

25, 40.413,
340.916

56, 21.996,
152.863

23, 43.733,
342.168


59, 27.296,
152.372

22, 45.821,
343.649

62, 32.436,
151.910

21, 47.283,

344.968

 65, 37.426,
151.475

Harmonies

Complementary

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



37, 13.072, 336.453



41, 12.950, 153.503

Rectangle

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



37, 13.072, 336.453



37, 13.072, 26.453



37, 13.072, 156.453



37, 13.072, 206.453

Sweetspot

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



37, 13.071, 336.454



53, 4.476, 335.369



36, 14.023, 303.668



27, 2.946, 335.398



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 13.071, 336.454



46, 19.611, 336.846



37, 9.949, 6.535



20, 3.383, 335.567



24, 51.039, 345.254



54, 87.510, 346.657

Inverse Universe

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



37, 13.071, 336.454



46, 19.611, 336.846



42, 9.136, 182.765



20, 3.383, 335.567



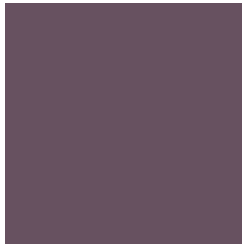
24, 51.039, 345.254



54, 87.510, 346.657

Previews

White Background



This preview shows how the CIELCh color 37, 13.072, 336.453 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, 13.072, 336.453 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, 13.072, 336.453

Background



This preview shows how black text looks on a background with the CIELCh color 37, 13.072, 336.453.



This preview shows how white text looks on a background with the CIELCh color 37, 13.072, 336.453.

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, 13.072, 336.453

Protanopia

37, 7.441, 285.196

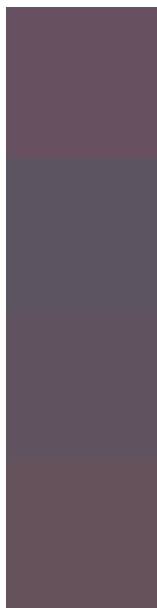
Deuteranopia

37, 6.866, 316.127



Tritanopia
37, 9.408, 357.791

Trichromacy



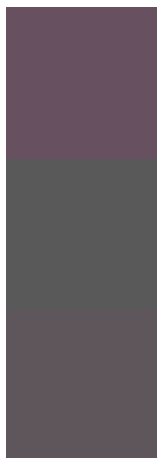
Original Color
37, 13.072, 336.453

Protanomaly
37, 8.444, 308.292

Deuteranomaly
37, 9.229, 327.283

Tritanomaly
37, 10.194, 348.100

Monochromacy



Original Color
37, 13.072, 336.453

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 4.602, 338.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 13.072, 336.453 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(103, 81, 96)` looks like.

```
.text, #text, p{  
    color:rgb(103, 81, 96)  
}
```

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(103, 81, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 81, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 13.072, 336.453 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(103, 81, 96) }
```

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

```
.border{ border-color:rgb(103, 81, 96) }
```

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

Here you see how a box with a 4 pixel rgb(103, 81, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 81, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 81, 96);  
box-shadow:4px 4px 4px 4px rgb(103, 81,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 13.072, 336.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 81, 96) }
```

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

```
.background{ background-color: rgb(103, 81,  
96) }
```

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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