

Converting Colors

CIELCh(37, 40.726, 3.155)

Have a look what the booklet for
CIELCh(37, 40.726, 3.155) contains.

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Color

CIELCh(37, 40.811, 3.314)

Conversions

Conversions Part 1

Format	Color
Hex	923855
RGB	146, 56, 85
RGB Percent	57%, 22%, 33%
CMY	0.4286, 0.7814, 0.6676
CMYK	0.00, 0.62, 0.42, 0.43
HSL	341°, 45%, 39%
HSV	341°, 62%, 57%
XYZ	14.8324, 9.5379, 9.6014
YIQ	86.2160, 44.3310, 28.0990

Conversions

Conversions Part 2

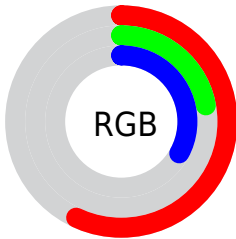
Format	Color
R_{YB}	146, 56, 85
Decimal	9582677
CIE _{Lab}	37.00, 40.74, 2.36
CIE _{LCh}	37, 40.811, 3.314
Yxy	9.5379, 0.4366, 0.2808
Android (android.graphics.Color)	4287772757 (0xFF923855)
YUV	86.2160, -0.5995, 52.4306
Hunter-Lab	30.8835, 31.6816, 3.1858

Details

The CIELCh color **37, 40.811, 3.314** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **55, 34.826, 167.514**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 40.971, 3.493**, and **17, 39.823, 4.147** is the 20% darker color. If you saturate the color by 10%, you get **34, 46.362, 6.090**, and if you desaturate by 10%, it is **40, 34.539, 1.102**.

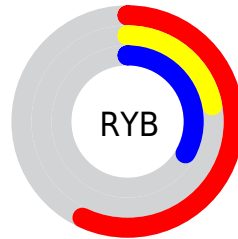
Distribution



Red (57%)

Green (22%)

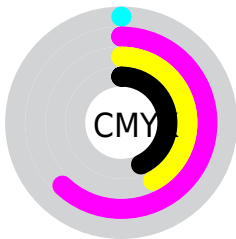
Blue (33%)



Red (57%)

Yellow (22%)

Blue (33%)

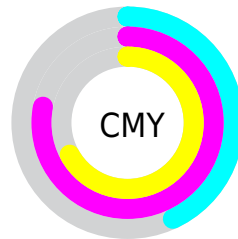


Cyan (0%)

Magenta (62%)

Yellow (42%)

Black (43%)



Cyan (43%)

Magenta (78%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 40.811, 3.314 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, 40.811, 3.314 by changing the saturation by 10% instead.

 37, 40.811, 3.314

 37, 40.811, 3.314

 100, 40.811, 3.314

 27, 40.811, 3.314

 57, 40.811, 3.314

 17, 40.811, 3.314

 67, 40.811, 3.314

 7, 40.811, 3.314

 77, 40.811, 3.314

 0, 40.811, 3.314

 87, 40.811, 3.314

 97, 40.811, 3.314

 37, 40.811, 3.314

 37, 40.811, 3.314

 34, 46.362, 6.090

 40, 34.539, 1.102

 32, 50.932, 9.587

 44, 27.853,

31, 54.413, 13.942

359.307

30, 56.916, 17.881

47, 21.009,
357.821

51, 14.196,
356.563

55, 7.537, 355.465

60, 1.103, 354.238

64, 5.073, 173.815

68, 10.983,
173.030

73, 16.633,
172.345

Harmonies

Complementary

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



37, 40.811, 3.314



55, 34.826, 167.514

Rectangle

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



37, 40.811, 3.314



37, 40.811, 53.314



37, 40.811, 183.314



37, 40.811, 233.314

Sweetspot

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



37, 40.809, 3.316



67, 15.255, 356.292



35, 57.326, 317.081



33, 10.509, 356.586



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



37, 40.809, 3.316



44, 58.335, 7.312



39, 38.399, 37.984



29, 3.651, 355.201



28, 54.553, 17.564



1, 3.140, 354.416

Inverse Universe

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



37, 40.809, 3.316



44, 58.335, 7.312



51, 23.719, 219.258



29, 3.651, 355.201



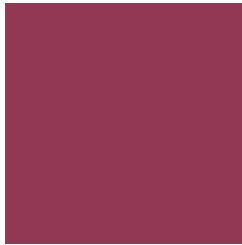
28, 54.553, 17.564



1, 3.140, 354.416

Previews

White Background



This preview shows how the CIELCh color 37, 40.811, 3.314 looks on a white background.

Color Contrast Check

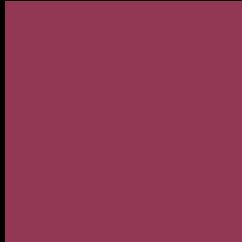
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 40.811, 3.314 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, 40.811, 3.314

Background



This preview shows how black text looks on a background with the CIELCh color 37, 40.811, 3.314.



This preview shows how white text looks on a background with the CIELCh color 37, 40.811, 3.314.

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, 40.811, 3.314

Protanopia

37, 9.895, 287.203

Deuteranopia

37, 6.974, 46.157



Tritanopia
37, 39.119, 23.282

Trichromacy



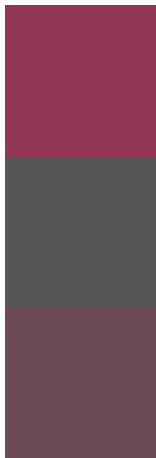
Original Color
37, 40.811, 3.314

Protanomaly
36, 17.874, 338.683

Deuteranomaly
36, 19.249, 7.988

Tritanomaly
37, 39.439, 15.270

Monochromacy



Original Color
37, 40.811, 3.314

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 15.849, 356.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 40.811, 3.314 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(146, 56, 85)` looks like.

```
.text, #text, p{  
    color:rgb(146, 56, 85)  
}
```

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(146, 56, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 56, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 40.811, 3.314 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(146, 56, 85) }
```

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

```
.border{ border-color:rgb(146, 56, 85) }
```

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

Here you see how a box with a 4 pixel rgb(146, 56, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 56, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 56, 85);  
box-shadow:4px 4px 4px 4px rgb(146, 56,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 40.811, 3.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 56, 85) }
```

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

```
.background{ background-color: rgb(146, 56,  
85) }
```

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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