

Converting Colors

CIELCh(37, 48.868, 337.026)

Have a look what the booklet for
CIELCh(37, 48.868, 337.026)
contains.

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Color

CIELCh(37, 49.171, 336.851)

Conversions

Conversions Part 1

Format	Color
Hex	8D3577
RGB	141, 53, 119
RGB Percent	55%, 21%, 47%
CMY	0.4471, 0.7922, 0.5334
CMYK	0.00, 0.62, 0.16, 0.45
HSL	315°, 45%, 38%
HSV	315°, 62%, 55%
XYZ	15.5835, 9.5379, 18.4683
YIQ	86.8360, 31.2620, 39.1820

Conversions

Conversions Part 2

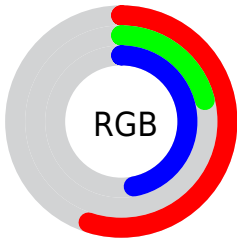
Format	Color
R_{YB}	141, 53, 119
Decimal	9254263
CIE _{Lab}	37.00, 45.21, -19.33
CIE _{LCh}	37, 49.171, 336.851
Yxy	9.5379, 0.3575, 0.2188
Android (android.graphics.Color)	4287444343 (0xFF8D3577)
YUV	86.8360, 15.8569, 47.5018
Hunter-Lab	30.8835, 36.0228, -13.8368

Details

The CIELCh color $[37, 49.171, 336.851]$ is a dark color, and the websafe version is hex `993366`. A complement of this color would be $[52, 49.619, 146.285]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 49.099, 337.074]$, and $[18, 45.909, 337.543]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 54.633, 337.774]$, and if you desaturate by 10%, it is $[40, 42.490, 336.010]$.

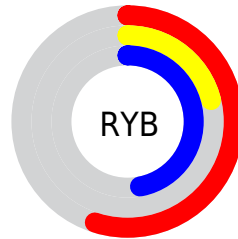
Distribution



Red (55%)

Green (21%)

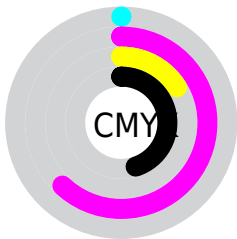
Blue (47%)



Red (55%)

Yellow (21%)

Blue (47%)

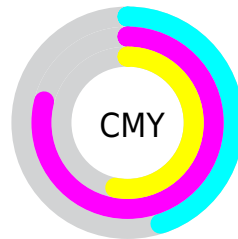


Cyan (0%)

Magenta (62%)

Yellow (16%)

Black (45%)



Cyan (45%)


Magenta (79%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 49.171, 336.851 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, 49.171, 336.851 by changing the saturation by 10% instead.


 37, 49.171,
336.851


 37, 49.171,
336.851

 100, 49.171,
336.851


 27, 49.171,
336.851

 57, 49.171,
336.851


 17, 49.171,
336.851


 67, 49.171,
336.851

 7, 49.171, 336.851

 77, 49.171,
336.851

 0, 49.171, 336.851

 87, 49.171,
336.851

 97, 49.171,
336.851

37, 49.171,
336.851

37, 49.171,
336.851

35, 54.633,
337.774

40, 42.490,
336.010

33, 58.545,
338.812

43, 34.964,
335.226

32, 60.702,
340.014

46, 26.922,
334.485

31, 61.642,
341.000

50, 18.627,
333.780

54, 10.271,
333.102

58, 1.986, 332.364

62, 6.146, 151.926

66, 14.078,
151.329

■ 70, 21.786,
150.778

Harmonies

Complementary

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



37, 49.171, 336.851



52, 49.619, 146.285

Rectangle

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



37, 49.171, 336.851



37, 49.171, 26.851



37, 49.171, 156.851



37, 49.171, 206.851

Sweetspot

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



37, 49.169, 336.851



65, 19.569, 333.574



29, 56.059, 304.885



33, 13.431, 333.747



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



37, 49.169, 336.851



45, 68.591, 338.193



35, 39.872, 7.716



28, 4.710, 332.885



30, 59.818, 340.937



1, 3.160, 332.336

Inverse Universe

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



37, 49.169, 336.851



45, 68.591, 338.193



53, 32.507, 171.534



28, 4.710, 332.885



30, 59.818, 340.937



1, 3.160, 332.336

Previews

White Background



This preview shows how the CIELCh color 37, 49.171, 336.851 looks on a white background.

Color Contrast Check

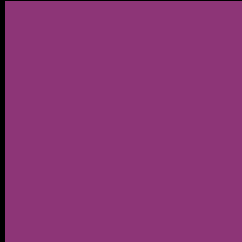
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.171, 336.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

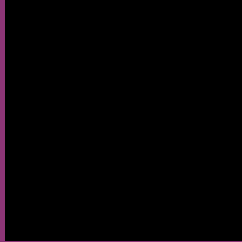
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 49.171, 336.851

Background



This preview shows how black text looks on a background with the CIELCh color 37, 49.171, 336.851.



This preview shows how white text looks on a background with the CIELCh color 37, 49.171, 336.851.

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





Tritanopia
37, 32.389, 20.943

Trichromacy



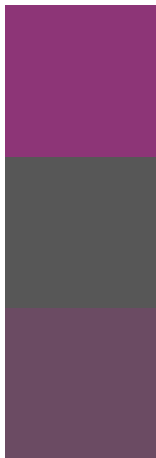
Original Color
37, 49.171, 336.851

Protanomaly
36, 39.020, 304.757

Deuteranomaly
36, 28.439, 317.658

Tritanomaly
37, 35.794, 359.820

Monochromacy



Original Color
37, 49.171, 336.851

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 19.824, 334.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 49.171, 336.851 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(141, 53, 119)` looks like.

```
.text, #text, p{  
    color:rgb(141, 53, 119)  
}
```

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(141, 53, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 53, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 49.171, 336.851 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(141, 53, 119) }
```

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

```
.border{ border-color:rgb(141, 53, 119) }
```

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

Here you see how a box with a 4 pixel rgb(141, 53, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 53, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 53, 119);  
box-shadow:4px 4px 4px 4px rgb(141, 53,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 49.171, 336.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 53, 119) }
```

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

```
.background{ background-color: rgb(141, 53,  
119) }
```

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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