

Converting Colors

CIELCh(37, 63.442, 332.402)

Have a look what the booklet for
CIELCh(37, 63.442, 332.402)
contains.

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Color

CIELCh(37, 63.442, 332.402)

Conversions

Conversions Part 1

Format	Color
Hex	952587
RGB	149, 37, 135
RGB Percent	58%, 15%, 53%
CMY	0.4141, 0.8531, 0.4691
CMYK	0.00, 0.75, 0.09, 0.41
HSL	308°, 60%, 37%
HSV	308°, 75%, 59%
XYZ	17.5413, 9.5379, 23.9742
YIQ	81.6600, 35.2940, 54.2220

Conversions

Conversions Part 2

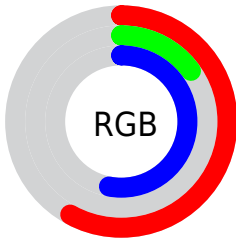
Format	Color
R_{YB}	149, 37, 135
Decimal	9774471
CIE _{Lab}	37.00, 56.22, -29.39
CIE _{LCh}	37, 63.442, 332.402
Yxy	9.5379, 0.3436, 0.1868
Android (android.graphics.Color)	4287964551 (0xFF952587)
YUV	81.6600, 26.2966, 59.0572
Hunter-Lab	30.8835, 47.3387, -24.4071

Details

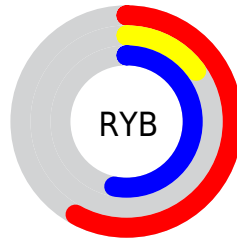
The CIELCh color $[37, 63.442, 332.402]$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $[54, 65.758, 140.642]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 63.552, 332.284]$, and $[20, 51.913, 332.156]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 67.470, 332.966]$, and if you desaturate by 10%, it is $[39, 57.647, 331.837]$.

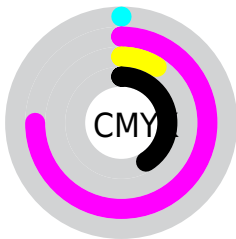
Distribution



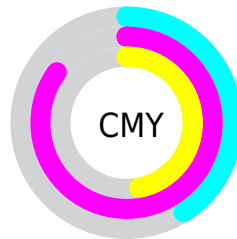
- Red (58%)
- Green (15%)
- Blue (53%)



- Red (58%)
- Yellow (15%)
- Blue (53%)



- Cyan (0%)
- Magenta (75%)
- Yellow (9%)
- Black (41%)





- Cyan (41%)
- Magenta (85%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 63.442, 332.402 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, 63.442, 332.402 by changing the saturation by 10% instead.


 37, 63.442,
332.402


 37, 63.442,
332.402

 100, 63.442,
332.402


 27, 63.442,
332.402

 57, 63.442,
332.402


 17, 63.442,
332.402


 67, 63.442,
332.402

 7, 63.442, 332.402

 77, 63.442,
332.402

 0, 63.442, 332.402

 87, 63.442,
332.402

 97, 63.442,
332.402

■ 37, 63.442,
332.402

■ 37, 63.442,
332.402

■ 35, 67.470,
332.966

■ 39, 57.647,
331.837

■ 34, 69.634,
333.542

■ 42, 50.403,
331.262

■ 34, 70.421,
333.836

■ 45, 42.091,
330.677

■ 48, 33.083,
330.084

■ 52, 23.692,
329.488

■ 56, 14.156,
328.894

■ 60, 4.645, 328.283

■ 64, 4.728, 147.822

■ 68, 13.893,
147.248

Harmonies

Complementary

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



37, 63.442, 332.402



54, 65.758, 140.642

Rectangle

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



37, 63.442, 332.402



37, 63.442, 22.402



37, 63.442, 152.402



37, 63.442, 202.402

Sweetspot

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



37, 63.440, 332.402



67, 25.852, 329.341



24, 71.347, 304.147



34, 17.321, 329.484



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



37, 63.440, 332.402



45, 83.802, 333.360



35, 49.185, 2.292



29, 5.298, 328.551



31, 66.405, 333.790



1, 4.606, 328.050

Inverse Universe

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



37, 63.440, 332.402



45, 83.802, 333.360



55, 43.561, 161.276



29, 5.298, 328.551



31, 66.405, 333.790



1, 4.606, 328.050

Previews

White Background



This preview shows how the CIELCh color 37, 63.442, 332.402 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, 63.442, 332.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

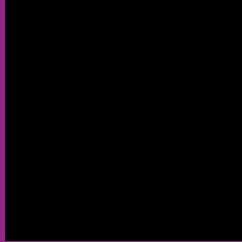
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 63.442, 332.402

Background



This preview shows how black text looks on a background with the CIELCh color 37, 63.442, 332.402.



This preview shows how white text looks on a background with the CIELCh color 37, 63.442, 332.402.

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, 63.442, 332.402

Protanopia

38, 57.281, 287.371

Deuteranopia

37, 25.551, 282.917



Tritanopia
37, 37.182, 22.606

Trichromacy



Original Color
37, 63.442, 332.402



Protanomaly
34, 58.378, 299.400



Deuteranomaly
35, 39.974, 311.375

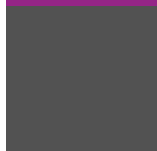


Tritanomaly
37, 42.581, 357.006

Monochromacy



Original Color
37, 63.442, 332.402



Achromatopsia
35, 0.005, 296.813



Achromatomaly
34, 27.169, 330.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 63.442, 332.402 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(149, 37, 135)` looks like.

```
.text, #text, p{  
    color:rgb(149, 37, 135)  
}
```

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(149, 37, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 37, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 63.442, 332.402 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(149, 37, 135) }
```

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

```
.border{ border-color:rgb(149, 37, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 37, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 37, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 37, 135);  
box-shadow:4px 4px 4px 4px rgb(149, 37,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 63.442, 332.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 37, 135) }
```

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

```
.background{ background-color: rgb(149, 37,  
135) }
```

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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