

Converting Colors

CIELCh(37, 81.530, 319.576)

Have a look what the booklet for
CIELCh(37, 81.530, 319.576)
contains.

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Color

CIELCh(37, 81.582, 319.575)

Conversions

Conversions Part 1

Format	Color
Hex	8A21AE
RGB	138, 33, 174
RGB Percent	54%, 13%, 68%
CMY	0.4590, 0.8708, 0.3178
CMYK	0.21, 0.81, 0.00, 0.32
HSL	285°, 68%, 41%
HSV	285°, 81%, 68%
XYZ	18.6511, 9.5379, 40.8790
YIQ	80.4690, 17.3190, 66.1110

Conversions

Conversions Part 2

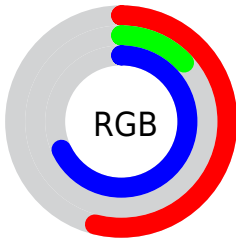
Format	Color
RYB	138, 33, 174
Decimal	9052590
CIELab	37.00, 62.10, -52.90
CIElCh	37, 81.582, 319.575
Yxy	9.5379, 0.2700, 0.1381
Android (android.graphics.Color)	4287242670 (0xFF8A21AE)
YUV	80.4690, 46.1108, 50.4547
Hunter-Lab	30.8835, 53.7531, -56.8608

Details

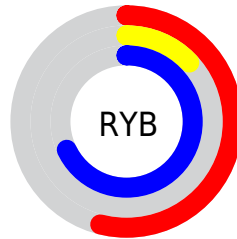
The CIELCh color **37, 81.582, 319.575** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **63, 79.252, 133.270**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 81.160, 319.544**, and **21, 68.642, 317.205** is the 20% darker color. If you saturate the color by 10%, you get **35, 86.412, 319.282**, and if you desaturate by 10%, it is **40, 74.564, 319.627**.

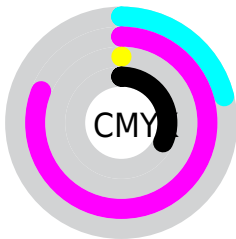
Distribution



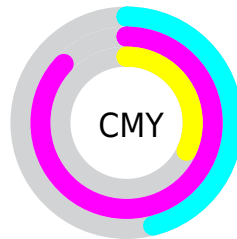
- Red (54%)
- Green (13%)
- Blue (68%)



- Red (54%)
- Yellow (13%)
- Blue (68%)



- Cyan (21%)
- Magenta (81%)
- Yellow (0%)
- Black (32%)





- Cyan (46%)
- Magenta (87%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 81.582, 319.575 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, 81.582, 319.575 by changing the saturation by 10% instead.


 37, 81.582,
319.575


 37, 81.582,
319.575

 100, 81.582,
319.575


 27, 81.582,
319.575

 57, 81.582,
319.575


 17, 81.582,
319.575


 67, 81.582,
319.575

 7, 81.582, 319.575

 77, 81.582,
319.575

 0, 81.582, 319.575

 87, 81.582,
319.575

 97, 81.582,
319.575

■ 37, 81.582,
319.575

■ 37, 81.582,
319.575

■ 35, 86.412,
319.282

■ 40, 74.564,
319.627

■ 33, 89.166,
318.851

■ 43, 65.814,
319.491

■ 47, 55.864,
319.219

■ 51, 45.189,
318.860

■ 56, 34.161,
318.451

■ 61, 23.040,
318.019

■ 66, 11.999,
317.581

■ 71, 1.146, 317.024

Harmonies

Complementary

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



37, 81.582, 319.575



63, 79.252, 133.270

Rectangle

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



37, 81.582, 319.575



37, 81.582, 9.575



37, 81.582, 139.575



37, 81.582, 189.575

Sweetspot

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



37, 81.581, 319.575



76, 32.667, 318.166



34, 64.312, 293.782



38, 22.665, 318.317



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



37, 81.581, 319.575



45, 108.008, 318.877



41, 69.089, 337.935



34, 6.115, 317.503



29, 80.090, 318.948



2, 12.527, 314.483

Inverse Universe

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



39, 58.839, 15.408



48, 81.223, 24.236



62, 73.090, 142.592



34, 4.035, 359.939



31, 60.171, 24.018



2, 8.182, 2.620

Previews

White Background



This preview shows how the CIELCh color 37, 81.582, 319.575 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, 81.582, 319.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

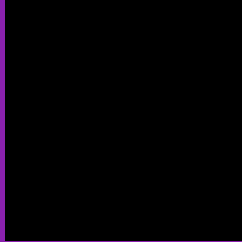
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 81.582, 319.575

Background



This preview shows how black text looks on a background with the CIELCh color 37, 81.582, 319.575.



This preview shows how white text looks on a background with the CIELCh color 37, 81.582, 319.575.

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, 81.582, 319.575

Protanopia
37, 58.639, 286.590

Deuteranopia
37, 43.375, 275.699



Tritanopia
37, 23.236, 14.361

Trichromacy



Original Color
37, 81.582, 319.575

Protanomaly
34, 69.347, 297.781

Deuteranomaly
33, 59.246, 295.221

Tritanomaly
36, 42.350, 334.537

Monochromacy



Original Color
37, 81.582, 319.575

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 34.824, 318.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 81.582, 319.575 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(138, 33, 174)` looks like.

```
.text, #text, p{  
    color:rgb(138, 33, 174)  
}
```

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(138, 33, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 33, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 81.582, 319.575 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(138, 33, 174) }
```

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

```
.border{ border-color:rgb(138, 33, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 33, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 33, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 33, 174);  
box-shadow:4px 4px 4px 4px rgb(138, 33,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 81.582, 319.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 33, 174) }
```

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

```
.background{ background-color: rgb(138, 33,  
174) }
```

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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