

Converting Colors

CIELCh(37, 84.084, 324.340)

Have a look what the booklet for
CIELCh(37, 84.084, 324.340)
contains.

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Color

CIELCh(37, 84.173, 324.256)

Conversions

Conversions Part 1

Format	Color
Hex	9707A8
RGB	151, 7, 168
RGB Percent	59%, 3%, 66%
CMY	0.4083, 0.9736, 0.3416
CMYK	0.10, 0.96, 0.00, 0.34
HSL	294°, 92%, 34%
HSV	294°, 96%, 66%
XYZ	19.8733, 9.5379, 37.7889
YIQ	68.4100, 34.1430, 80.5990

Conversions

Conversions Part 2

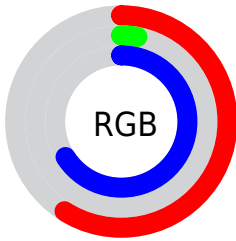
Format	Color
R_{YB}	151, 7, 168
Decimal	9897896
CIE _{Lab}	37.00, 68.32, -49.17
CIE _{LCh}	37, 84.173, 324.256
Yxy	9.5379, 0.2957, 0.1419
Android (android.graphics.Color)	4288087976 (0xFF9707A8)
YUV	68.4100, 49.0979, 72.4314
Hunter-Lab	30.8835, 60.8174, -50.9285

Details

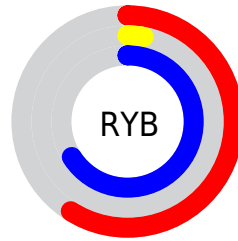
The CIELCh color **37, 84.173, 324.256** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **60, 85.840, 135.557**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 84.141, 324.241**, and **23, 65.124, 321.887** is the 20% darker color. If you saturate the color by 10%, you get **37, 85.118, 324.176**, and if you desaturate by 10%, it is **38, 81.171, 324.415**.

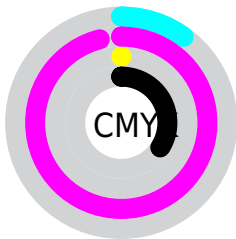
Distribution



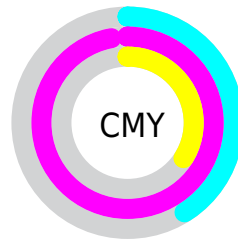
- Red (59%)
- Green (3%)
- Blue (66%)



- Red (59%)
- Yellow (3%)
- Blue (66%)



- Cyan (10%)
- Magenta (96%)
- Yellow (0%)
- Black (34%)



- Cyan (41%)
- Magenta (97%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 84.173, 324.256 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, 84.173, 324.256 by changing the saturation by 10% instead.

 37, 84.173,
324.256

 37, 84.173,
324.256

 100, 84.173,
324.256

 27, 84.173,
324.256

 57, 84.173,
324.256

 17, 84.173,
324.256

 67, 84.173,
324.256

 7, 84.173, 324.256

 77, 84.173,
324.256

 0, 84.173, 324.256

 87, 84.173,
324.256

 97, 84.173,
324.256

■ 37, 84.173,
324.256

■ 37, 84.173,
324.256

■ 37, 85.118,
324.176

■ 38, 81.171,
324.415

■ 40, 76.059,
324.417

■ 43, 68.956,
324.274

■ 46, 60.240,
324.011

■ 49, 50.365,
323.658

■ 53, 39.755,
323.241

■ 57, 28.758,
322.785

■ 62, 17.634,

322.307

■ 66, 6.565, 321.811

Harmonies

Complementary

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



37, 84.173, 324.256



60, 85.840, 135.557

Rectangle

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



37, 84.173, 324.256



37, 84.173, 14.256



37, 84.173, 144.256



37, 84.173, 194.256

Sweetspot

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



37, 84.171, 324.256



71, 39.876, 322.950



22, 89.078, 303.843



35, 27.298, 323.136



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



37, 84.171, 324.256



48, 103.888, 324.103



37, 64.126, 350.222



33, 6.225, 321.979



32, 77.539, 324.217



2, 11.158, 320.469

Inverse Universe

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



35, 69.802, 33.674



46, 88.731, 36.074



60, 70.634, 144.955



33, 3.754, 11.396



30, 65.218, 34.710



1, 6.641, 11.895

Previews

White Background



This preview shows how the CIELCh color 37, 84.173, 324.256 looks on a white background.

Color Contrast Check

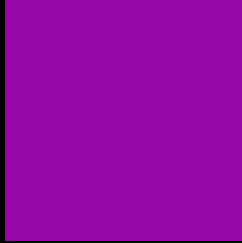
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.173, 324.256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

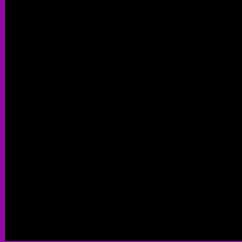
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 84.173, 324.256

Background



This preview shows how black text looks on a background with the CIELCh color 37, 84.173, 324.256.



This preview shows how white text looks on a background with the CIELCh color 37, 84.173, 324.256.

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, 84.173, 324.256

Protanopia

38, 59.135, 286.601

Deuteranopia

38, 42.890, 278.090



Tritanopia
38, 33.631, 20.352

Trichromacy



Original Color
37, 84.173, 324.256



Protanomaly
32, 74.492, 300.912



Deuteranomaly
32, 63.628, 302.373



Tritanomaly
35, 49.690, 344.062

Monochromacy



Original Color
37, 84.173, 324.256



Achromatopsia
29, 0.005, 296.813



Achromatomaly
28, 40.777, 323.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 84.173, 324.256 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(151, 7, 168)` looks like.

```
.text, #text, p{  
    color:rgb(151, 7, 168)  
}
```

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(151, 7, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 7, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 84.173, 324.256 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(151, 7, 168) }
```

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

```
.border{ border-color:rgb(151, 7, 168) }
```

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

Here you see how a box with a 4 pixel rgb(151, 7, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 7, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 7, 168);  
box-shadow:4px 4px 4px 4px rgb(151, 7,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 84.173, 324.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 7, 168) }
```

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

```
.background{ background-color: rgb(151, 7,  
168) }
```

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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