

Converting Colors

CIELCh(37, 94.666, 319.199)

Have a look what the booklet for
CIELCh(37, 94.666, 319.199)
contains.

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Color

CIELCh(37, 94.666, 319.199)

Conversions

Conversions Part 1

Format	Color
Hex	8F00BD
RGB	143, 0, 189
RGB Percent	56%, 0%, 74%
CMY	0.4387, 0.9987, 0.2583
CMYK	0.24, 1.00, 0.00, 0.26
HSL	285°, 100%, 37%
HSV	285°, 100%, 74%
XYZ	20.5525, 9.5379, 48.9738
YIQ	64.3030, 24.5590, 89.0950

Conversions

Conversions Part 2

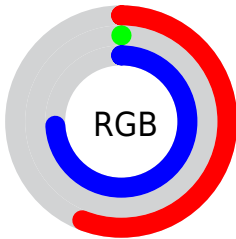
Format	Color
R_{YB}	143, 0, 189
Decimal	9371837
CIE _{Lab}	37.00, 71.66, -61.86
CIE _{LCh}	37, 94.666, 319.199
Yxy	9.5379, 0.2599, 0.1206
Android (android.graphics.Color)	4287561917 (0xFF8F00BD)
YUV	64.3030, 61.4756, 69.0173
Hunter-Lab	30.8835, 64.7429, -72.4010

Details

The CIELCh color **37, 94.666, 319.199** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **67, 93.202, 134.088**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 94.453, 319.311**, and **22, 75.061, 315.653** is the 20% darker color. If you saturate the color by 10%, you get **37, 94.717, 319.190**, and if you desaturate by 10%, it is **39, 91.547, 319.686**.

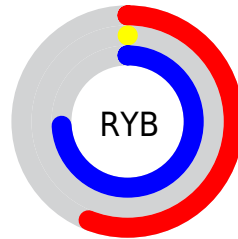
Distribution



Red (56%)

Green (0%)

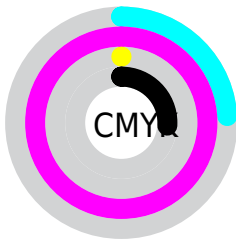
Blue (74%)



Red (56%)

Yellow (0%)

Blue (74%)

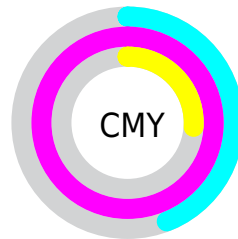


Cyan (24%)

Magenta (100%)

Yellow (0%)

Black (26%)



Cyan (44%)


Magenta (100%)


Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 94.666, 319.199 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, 94.666, 319.199 by changing the saturation by 10% instead.


 37, 94.666,
319.199

 37, 94.666,
319.199

 100, 94.666,
319.199

 27, 94.666,
319.199

 57, 94.666,
319.199


 17, 94.666,
319.199


 67, 94.666,
319.199

 7, 94.666, 319.199

 77, 94.666,
319.199

 0, 94.666, 319.199

 87, 94.666,
319.199

 97, 94.666,
319.199

■ 37, 94.666,
319.199

■ 37, 94.666,
319.199

■ 37, 94.717,
319.190

■ 39, 91.547,
319.686

■ 41, 86.263,
319.953

■ 44, 78.651,
319.985

■ 48, 69.205,
319.833

■ 52, 58.493,
319.551

■ 56, 47.022,
319.185

■ 61, 35.186,
318.770

■ 66, 23.260,

318.334

■ 71, 11.428,
317.890

Harmonies

Complementary

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



37, 94.666, 319.199



67, 93.202, 134.088

Rectangle

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



37, 94.666, 319.199



37, 94.666, 9.199



37, 94.666, 139.199



37, 94.666, 189.199

Sweetspot

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



37, 94.665, 319.199



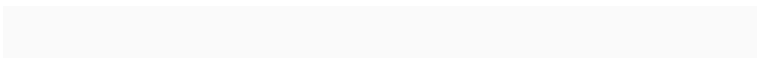
77, 43.660, 318.799



29, 88.087, 300.609



38, 29.801, 318.977



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



37, 94.665, 319.199



48, 115.043, 319.060



42, 76.210, 341.361



37, 6.580, 317.869



30, 82.912, 319.300



3, 19.270, 314.884

Inverse Universe

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



40, 72.187, 26.014



51, 88.375, 27.090



67, 87.507, 139.735



37, 4.306, 0.799



33, 62.919, 25.260



3, 12.654, 5.661

Previews

White Background



This preview shows how the CIELCh color 37, 94.666, 319.199 looks on a white background.

Color Contrast Check

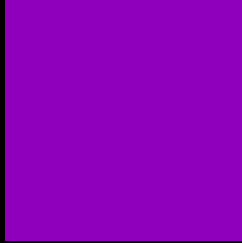
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.666, 319.199 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, 94.666, 319.199

Background



This preview shows how black text looks on a background with the CIELCh color 37, 94.666, 319.199.



This preview shows how white text looks on a background with the CIELCh color 37, 94.666, 319.199.

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, 94.666, 319.199

Protanopia

38, 59.135, 286.601

Deuteranopia

38, 42.812, 274.581



Tritanopia
38, 23.662, 16.033

Trichromacy



Original Color
37, 94.666, 319.199

Protanomaly
32, 80.251, 301.439

Deuteranomaly
31, 69.335, 299.554

Tritanomaly
35, 50.967, 332.832

Monochromacy



Original Color
37, 94.666, 319.199

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 46.581, 319.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 94.666, 319.199 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(143, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 189)  
}
```

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(143, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 94.666, 319.199 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(143, 0, 189) }
```

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

```
.border{ border-color:rgb(143, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(143, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(143, 0,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 94.666, 319.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 189) }
```

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

```
.background{ background-color: rgb(143, 0,  
189) }
```

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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