

Converting Colors

CIELCh(37, 96.470, 313.544)

Have a look what the booklet for
CIELCh(37, 96.470, 313.544)
contains.

CIELCh(37, 96.573, 313.559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 96.573, 313.559)

Conversions

Conversions Part 1

Format	Color
Hex	7C1FCB
RGB	124, 31, 203
RGB Percent	49%, 12%, 80%
CMY	0.5145, 0.8794, 0.2047
CMYK	0.39, 0.85, 0.00, 0.20
HSL	272°, 74%, 46%
HSV	272°, 85%, 80%
XYZ	19.5200, 9.5379, 57.1843
YIQ	78.4150, 0.2160, 73.2080

Conversions

Conversions Part 2

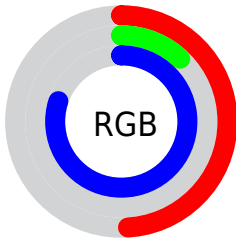
Format	Color
RYB	124, 31, 203
Decimal	8134603
CIELab	37.00, 66.55, -69.98
CIELCh	37, 96.573, 313.559
Yxy	9.5379, 0.2263, 0.1106
Android (android.graphics.Color)	4286324683 (0xFF7C1FCB)
YUV	78.4150, 61.4204, 39.9780
Hunter-Lab	30.8835, 58.7753, -88.1637

Details

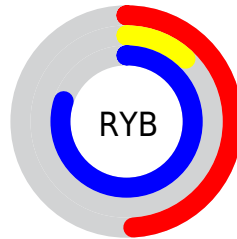
The CIELCh color **37, 96.573, 313.559** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **74, 86.768, 128.075**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 93.680, 314.124**, and **21, 83.733, 310.728** is the 20% darker color. If you saturate the color by 10%, you get **34, 102.074, 313.112**, and if you desaturate by 10%, it is **41, 88.316, 313.636**.

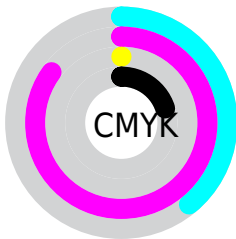
Distribution



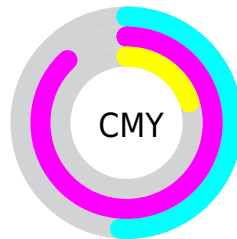
- Red (49%)
- Green (12%)
- Blue (80%)



- Red (49%)
- Yellow (12%)
- Blue (80%)



- Cyan (39%)
- Magenta (85%)
- Yellow (0%)
- Black (20%)





- Cyan (51%)
- Magenta (88%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 96.573, 313.559 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, 96.573, 313.559 by changing the saturation by 10% instead.


 37, 96.573,
313.559


 37, 96.573,
313.559

 100, 96.573,
313.559


 27, 96.573,
313.559

 57, 96.573,
313.559


 17, 96.573,
313.559


 67, 96.573,
313.559

 7, 96.573, 313.559

 77, 96.573,
313.559

 0, 96.573, 313.559

 87, 96.573,
313.559

 97, 96.573,
313.559

■ 37, 96.573,
313.559

■ 37, 96.573,
313.559

■ 34, 102.074,
313.112

■ 41, 88.316,
313.636

■ 33, 104.150,
312.795

■ 45, 78.028,
313.441

■ 50, 66.485,
313.074

■ 56, 54.307,
312.614

■ 61, 41.918,
312.114

■ 67, 29.583,
311.612

■ 73, 17.457,
311.128

■ 79, 5.621, 310.663

Harmonies

Complementary

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



37, 96.573, 313.559



74, 86.768, 128.075

Rectangle

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



37, 96.573, 313.559



37, 96.573, 3.559



37, 96.573, 133.559



37, 96.573, 183.559

Sweetspot

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



37, 96.573, 313.559



82, 35.876, 311.637



47, 55.148, 280.943



41, 24.572, 311.814



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



37, 96.573, 313.559



42, 123.934, 312.643



49, 91.060, 329.299



40, 6.656, 310.874



26, 89.526, 312.957



3, 24.753, 308.203

Inverse Universe

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



45, 67.917, 0.012



55, 84.424, 6.959



72, 94.817, 137.235



40, 5.171, 346.673



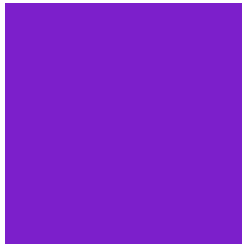
35, 61.165, 5.499



4, 19.541, 356.043

Previews

White Background



This preview shows how the CIELCh color 37, 96.573, 313.559 looks on a white background.

Color Contrast Check

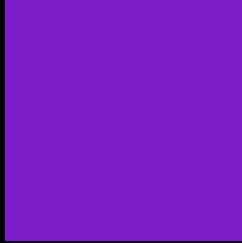
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.573, 313.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

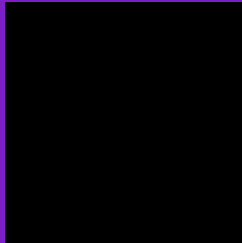
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 96.573, 313.559

Background



This preview shows how black text looks on a background with the CIELCh color 37, 96.573, 313.559.



This preview shows how white text looks on a background with the CIELCh color 37, 96.573, 313.559.

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, 96.573, 313.559

Protanopia
37, 57.505, 286.071

Deuteranopia
37, 41.243, 273.680



Tritanopia
37, 8.200, 353.911

Trichromacy



Original Color
37, 96.573, 313.559



Protanomaly
34, 75.199, 298.298



Deuteranomaly
33, 64.673, 295.845



Tritanomaly
35, 43.484, 317.208

Monochromacy



Original Color
37, 96.573, 313.559



Achromatopsia
33, 0.005, 296.813



Achromatomaly
32, 40.661, 313.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 96.573, 313.559 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(124, 31, 203)` looks like.

```
.text, #text, p{  
    color:rgb(124, 31, 203)  
}
```

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(124, 31, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 31, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 96.573, 313.559 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(124, 31, 203) }
```

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

```
.border{ border-color:rgb(124, 31, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 31, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 31, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 31, 203);  
box-shadow:4px 4px 4px 4px rgb(124, 31,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 96.573, 313.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 31, 203) }
```

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

```
.background{ background-color: rgb(124, 31,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor