

Converting Colors

CIELCh(30, 108.626, 325.618)

Have a look what the booklet for
CIELCh(30, 108.626, 325.618)
contains.

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Color

CIELCh(37, 85.590, 323.916)

Conversions

Conversions Part 1

Format	Color
Hex	9703AA
RGB	151, 3, 170
RGB Percent	59%, 1%, 67%
CMY	0.4078, 0.9897, 0.3335
CMYK	0.11, 0.98, 0.00, 0.33
HSL	293°, 97%, 34%
HSV	293°, 98%, 67%
XYZ	20.0450, 9.5379, 38.7972
YIQ	66.2900, 34.6010, 83.3130

Conversions

Conversions Part 2

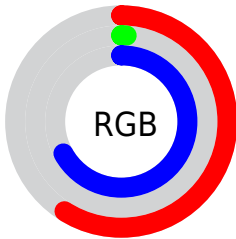
Format	Color
R_{YB}	151, 3, 170
Decimal	9896874
CIE _{Lab}	37.00, 69.17, -50.41
CIE _{LCh}	37, 85.590, 323.916
Yxy	9.5379, 0.2931, 0.1395
Android (android.graphics.Color)	4288086954 (0xFF9703AA)
YUV	66.2900, 51.1290, 74.2907
Hunter-Lab	30.8835, 61.8098, -52.8642

Details

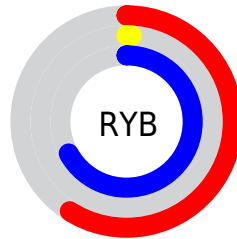
The CIELCh color **37, 85.590, 323.916** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **61, 87.253, 135.461**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 85.455, 323.892**, and **23, 66.053, 321.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 85.959, 323.882**, and if you desaturate by 10%, it is **38, 82.907, 324.120**.

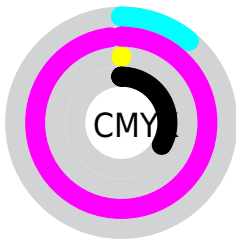
Distribution



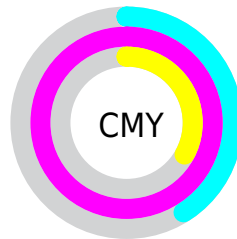
- Red (59%)
- Green (1%)
- Blue (67%)



- Red (59%)
- Yellow (1%)
- Blue (67%)



- Cyan (11%)
- Magenta (98%)
- Yellow (0%)
- Black (33%)





- Cyan (41%)
- Magenta (99%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 85.590, 323.916 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, 85.590, 323.916 by changing the saturation by 10% instead.


 37, 85.590,
323.916


 37, 85.590,
323.916

 100, 85.590,
323.916


 27, 85.590,
323.916

 57, 85.590,
323.916


 17, 85.590,
323.916


 67, 85.590,
323.916

 7, 85.590, 323.916

 77, 85.590,
323.916

 0, 85.590, 323.916

 87, 85.590,
323.916

 97, 85.590,
323.916

■ 37, 85.590,
323.916

■ 37, 85.590,
323.916

■ 37, 85.959,
323.882

■ 38, 82.907,
324.120

■ 40, 78.258,
324.175

■ 42, 71.530,
324.075

■ 45, 63.070,
323.846

■ 49, 53.335,
323.517

■ 53, 42.767,
323.116

■ 57, 31.739,
322.671

■ 61, 20.534,

322.200

■ 66, 9.350, 321.715

Harmonies

Complementary

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



37, 85.590, 323.916



61, 87.253, 135.461

Rectangle

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



37, 85.590, 323.916



37, 85.590, 13.916



37, 85.590, 143.916



37, 85.590, 193.916

Sweetspot

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



37, 85.588, 323.916



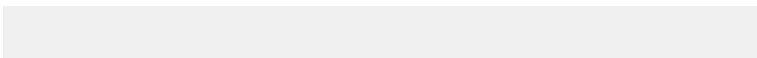
72, 41.555, 322.767



22, 91.698, 304.288



36, 28.552, 322.951



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



37, 85.588, 323.916



48, 104.880, 323.806



37, 64.920, 350.882



33, 6.211, 321.756



32, 77.598, 323.930



2, 11.124, 320.178

Inverse Universe

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



35, 71.495, 34.258



46, 89.121, 35.706



61, 72.424, 144.445



33, 3.759, 10.778



30, 64.901, 34.268



1, 6.650, 11.351

Previews

White Background



This preview shows how the CIELCh color 37, 85.590, 323.916 looks on a white background.

Color Contrast Check

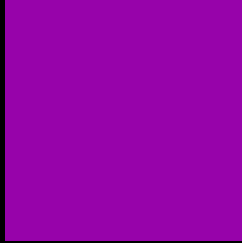
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.590, 323.916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

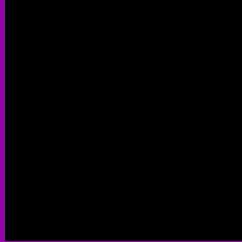
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 85.590, 323.916

Background



This preview shows how black text looks on a background with the CIELCh color 37, 85.590, 323.916.



This preview shows how white text looks on a background with the CIELCh color 37, 85.590, 323.916.

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, 85.553, 323.902

Protanopia
38, 59.135, 286.601

Deuteranopia
38, 43.583, 277.350



Tritanopia
38, 33.227, 21.152

Trichromacy



Original Color
37, 85.553, 323.902



Protanomaly
31, 75.680, 301.214



Deuteranomaly
32, 65.511, 301.893



Tritanomaly
35, 49.982, 343.477

Monochromacy



Original Color
37, 85.553, 323.902



Achromatopsia
28, 0.004, 296.813



Achromatomaly
27, 42.567, 323.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 85.590, 323.916 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, 3, 170)` looks like.

```
.text, #text, p{  
    color:rgb(151, 3, 170)  
}
```

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, 3, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 3, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 85.590, 323.916 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, 3, 170) }
```

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

```
.border{ border-color:rgb(151, 3, 170) }
```

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

Here you see how a box with a 4 pixel rgb(151, 3, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 3, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 3, 170);  
box-shadow:4px 4px 4px 4px rgb(151, 3,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 85.590, 323.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 3, 170) }
```

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

```
.background{ background-color: rgb(151, 3,  
170) }
```

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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