

Converting Colors

CIELCh(38, 69.961, 342.405)

Have a look what the booklet for
CIELCh(38, 69.961, 342.405)
contains.

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Color

CIELCh(38, 69.903, 342.555)

Conversions

Conversions Part 1

Format	Color
Hex	AB007D
RGB	171, 0, 125
RGB Percent	67%, 0%, 49%
CMY	0.3304, 1.0000, 0.5107
CMYK	0.00, 1.00, 0.27, 0.33
HSL	316°, 100%, 33%
HSV	316°, 100%, 67%
XYZ	20.4167, 10.0881, 20.1961
YIQ	65.3790, 61.7910, 75.1270

Conversions

Conversions Part 2

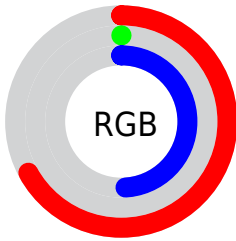
Format	Color
RYB	171, 0, 125
Decimal	11206781
CIELab	38.00, 66.69, -20.96
CIElCh	38, 69.903, 342.555
Yxy	10.0881, 0.4027, 0.1990
Android (android.graphics.Color)	4289396861 (0xFFAB007D)
YUV	65.3790, 29.3932, 92.6296
Hunter-Lab	31.7617, 59.1585, -15.4671

Details

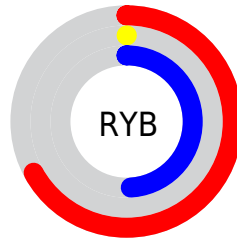
The CIELCh color **38, 69.903, 342.555** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **61, 79.940, 140.369**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 69.701, 342.430**, and **24, 50.353, 346.336** is the 20% darker color. If you saturate the color by 10%, you get **38, 69.815, 342.568**, and if you desaturate by 10%, it is **39, 68.819, 341.047**.

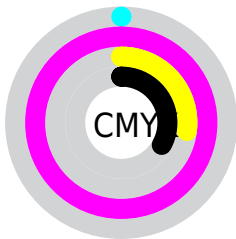
Distribution



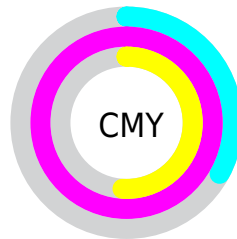
- Red (67%)
- Green (0%)
- Blue (49%)



- Red (67%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 69.903, 342.555 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 38, 69.903, 342.555 by changing the saturation by 10% instead.


 38, 69.903,
342.555


 38, 69.903,
342.555

 100, 69.903,
342.555


 28, 69.903,
342.555

 58, 69.903,
342.555


 18, 69.903,
342.555


 68, 69.903,
342.555

 8, 69.903, 342.555

 78, 69.903,
342.555

 0, 69.903, 342.555

 88, 69.903,
342.555

 98, 69.903,
342.555

■ 38, 69.903,
342.555

■ 38, 69.903,
342.555

■ 38, 69.815,
342.568

■ 39, 68.819,
341.047

■ 40, 66.131,
339.728

■ 43, 61.384,
338.602

■ 45, 54.851,
337.613

■ 49, 46.953,
336.721

■ 52, 38.130,
335.897

■ 56, 28.766,
335.125

■ 61, 19.161,

334.395

■ 65, 9.528, 333.693

Harmonies

Complementary

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



38, 69.903, 342.555



61, 79.940, 140.369

Rectangle

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



38, 69.903, 342.555



38, 69.903, 32.555



38, 69.903, 162.555



38, 69.903, 212.555

Sweetspot

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



38, 69.815, 342.568



72, 35.592, 335.165



22, 96.607, 307.968



36, 24.438, 335.477



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



38, 69.815, 342.568



50, 84.606, 342.901



36, 67.178, 26.487



33, 5.326, 333.643



33, 62.954, 342.353



2, 9.164, 335.992

Inverse Universe

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



38, 69.815, 342.568



50, 84.606, 342.901



62, 47.954, 167.729



33, 5.326, 333.643



33, 62.954, 342.353



2, 9.164, 335.992

Previews

White Background



This preview shows how the CIELCh color 38, 69.903, 342.555 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 × Fail

Black Background



This preview shows how the CIE LCh color 38, 69.903, 342.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

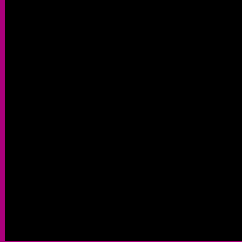
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 69.903, 342.555

Background



This preview shows how black text looks on a background with the CIELCh color 38, 69.903, 342.555.



This preview shows how white text looks on a background with the CIELCh color 38, 69.903, 342.555.

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

38, 69.903, 342.555

Protanopia

39, 54.434, 287.324

Deuteranopia

39, 16.550, 290.136



Tritanopia
39, 54.083, 28.470

Trichromacy



Original Color
38, 69.903, 342.555



Protanomaly
33, 63.543, 307.138



Deuteranomaly
34, 43.904, 326.087



Tritanomaly
37, 56.512, 7.881

Monochromacy



Original Color
38, 69.903, 342.555



Achromatopsia
28, 0.004, 296.813



Achromatomaly
27, 36.950, 336.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 69.903, 342.555 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(171, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 125)  
}
```

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(171, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 69.903, 342.555 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(171, 0, 125) }
```

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

```
.border{ border-color:rgb(171, 0, 125) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 69.903, 342.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 125) }
```

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

```
.background{ background-color: rgb(171, 0,  
125) }
```

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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