

Converting Colors

CIELCh(38, 72.083, 337.728)

Have a look what the booklet for
CIELCh(38, 72.083, 337.728)
contains.

CIELCh(38, 72.094, 337.605)	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(38, 72.094, 337.605)

Conversions

Conversions Part 1

Format	Color
Hex	A70587
RGB	167, 5, 135
RGB Percent	65%, 2%, 53%
CMY	0.3444, 0.9822, 0.4699
CMYK	0.00, 0.97, 0.19, 0.34
HSL	312°, 95%, 34%
HSV	312°, 97%, 66%
XYZ	20.4103, 10.0881, 23.8558
YIQ	68.2580, 54.8220, 74.7740

Conversions

Conversions Part 2

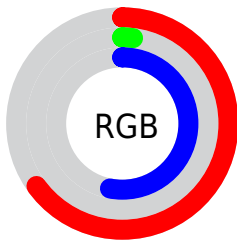
Format	Color
R_{YB}	167, 5, 135
Decimal	10945927
CIE _{Lab}	38.00, 66.66, -27.47
CIE _{LCh}	38, 72.094, 337.605
Yxy	10.0881, 0.3755, 0.1856
Android (android.graphics.Color)	4289136007 (0xFFA70587)
YUV	68.2580, 32.9038, 86.5967
Hunter-Lab	31.7617, 59.1226, -22.2987

Details

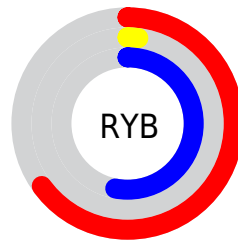
The CIELCh color **38, 72.094, 337.605** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **60, 80.914, 138.978**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 71.952, 337.539**, and **24, 52.607, 339.202** is the 20% darker color. If you saturate the color by 10%, you get **38, 72.389, 337.878**, and if you desaturate by 10%, it is **39, 70.585, 336.623**.

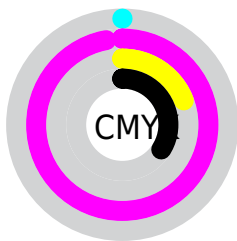
Distribution



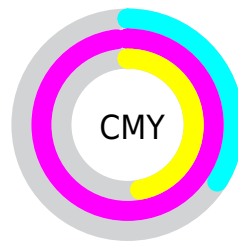
- Red (65%)
- Green (2%)
- Blue (53%)



- Red (65%)
- Yellow (2%)
- Blue (53%)



- Cyan (0%)
- Magenta (97%)
- Yellow (19%)
- Black (34%)



- Cyan (34%)
- Magenta (98%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 72.094, 337.605 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, 72.094, 337.605 by changing the saturation by 10% instead.

 38, 72.094,
337.605

 38, 72.094,
337.605

 100, 72.094,
337.605


 28, 72.094,
337.605

 58, 72.094,
337.605

 18, 72.094,
337.605

 68, 72.094,
337.605

 8, 72.094, 337.605

 78, 72.094,
337.605

 0, 72.094, 337.605

 88, 72.094,
337.605

 98, 72.094,
337.605

■ 38, 72.094,
337.605

■ 38, 72.094,
337.605

■ 38, 72.389,
337.878

■ 39, 70.585,
336.623

■ 41, 67.116,
335.747

■ 43, 61.645,
334.949

■ 46, 54.486,
334.202

■ 49, 46.061,
333.487

■ 53, 36.796,
332.795

■ 57, 27.054,
332.124

■ 61, 17.114,

331.471

■ 65, 7.174, 330.823

Harmonies

Complementary

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



38, 72.094, 337.605



60, 80.914, 138.978

Rectangle

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



38, 72.094, 337.605



38, 72.094, 27.605



38, 72.094, 157.605



38, 72.094, 207.605

Sweetspot

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



38, 72.091, 337.605



71, 35.499, 332.272



21, 94.734, 307.026



36, 24.513, 332.548



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



38, 72.091, 337.605



49, 87.606, 338.091



35, 62.379, 17.789



33, 5.608, 330.955



33, 66.252, 337.760



2, 9.738, 332.618

Inverse Universe

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



38, 72.091, 337.605



49, 87.606, 338.091



61, 51.693, 161.284



33, 5.608, 330.955



33, 66.252, 337.760



2, 9.738, 332.618

Previews

White Background



This preview shows how the CIELCh color 38, 72.094, 337.605 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, 72.094, 337.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

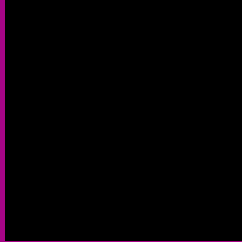
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 72.094, 337.605

Background



This preview shows how black text looks on a background with the CIELCh color 38, 72.094, 337.605.



This preview shows how white text looks on a background with the CIELCh color 38, 72.094, 337.605.

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, 71.965, 337.615

Protanopia

39, 61.251, 287.103

Deuteranopia

39, 22.219, 283.676



Tritanopia
39, 50.362, 27.278

Trichromacy



Original Color
38, 71.965, 337.615

Protanomaly
32, 69.182, 301.121

Deuteranomaly
35, 46.352, 319.208

Tritanomaly
37, 54.386, 3.039

Monochromacy



Original Color
38, 71.965, 337.615

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 36.728, 334.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 72.094, 337.605 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(167, 5, 135)` looks like.

```
.text, #text, p{  
    color:rgb(167, 5, 135)  
}
```

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(167, 5, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 5, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 72.094, 337.605 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(167, 5, 135) }
```

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

```
.border{ border-color:rgb(167, 5, 135) }
```

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

Here you see how a box with a 4 pixel rgb(167, 5, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 5, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 5, 135);  
box-shadow:4px 4px 4px 4px rgb(167, 5,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 72.094, 337.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 5, 135) }
```

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

```
.background{ background-color: rgb(167, 5,  
135) }
```

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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