

Converting Colors

CIELCh(38, 70.030, 336.868)

Have a look what the booklet for
CIELCh(38, 70.030, 336.868)
contains.

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Color

CIELCh(38, 69.858, 336.868)

Conversions

Conversions Part 1

Format	Color
Hex	A41287
RGB	164, 18, 135
RGB Percent	64%, 7%, 53%
CMY	0.3566, 0.9288, 0.4703
CMYK	0.00, 0.89, 0.18, 0.36
HSL	312°, 80%, 36%
HSV	312°, 89%, 64%
XYZ	19.9204, 10.0881, 23.8419
YIQ	74.9920, 49.4590, 67.3390

Conversions

Conversions Part 2

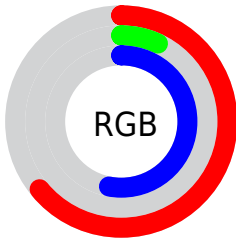
Format	Color
RYB	164, 18, 135
Decimal	10752647
CIELab	38.00, 64.24, -27.44
CIElCh	38, 69.858, 336.868
Yxy	10.0881, 0.3699, 0.1873
Android (android.graphics.Color)	4288942727 (0xFFA41287)
YUV	74.9920, 29.5839, 78.0600
Hunter-Lab	31.7617, 56.3694, -22.2729

Details

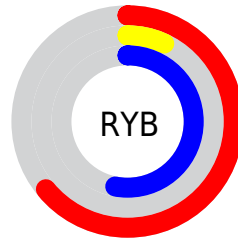
The CIELCh color **38, 69.858, 336.868** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **59, 75.852, 140.350**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 69.962, 336.596**, and **23, 52.468, 338.327** is the 20% darker color. If you saturate the color by 10%, you get **37, 71.183, 337.869**, and if you desaturate by 10%, it is **39, 66.761, 335.969**.

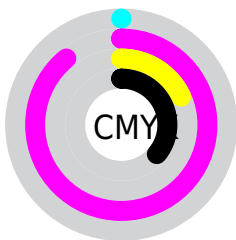
Distribution



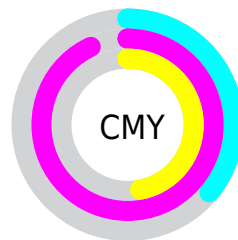
- Red (64%)
- Green (7%)
- Blue (53%)



- Red (64%)
- Yellow (7%)
- Blue (53%)



- Cyan (0%)
- Magenta (89%)
- Yellow (18%)
- Black (36%)



- Cyan (36%)
- Magenta (93%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 69.858, 336.868 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, 69.858, 336.868 by changing the saturation by 10% instead.


 38, 69.858,
336.868

 38, 69.858,
336.868

 100, 69.858,
336.868


 28, 69.858,
336.868

 58, 69.858,
336.868


 18, 69.858,
336.868

 68, 69.858,
336.868

 8, 69.858, 336.868

 78, 69.858,
336.868

 0, 69.858, 336.868

 88, 69.858,
336.868

 98, 69.858,
336.868

■ 38, 69.858,
336.868

■ 38, 69.858,
336.868

■ 37, 71.183,
337.869

■ 39, 66.761,
335.969

■ 37, 71.304,
337.977

■ 42, 61.669,
335.155

■ 44, 54.860,
334.396

■ 47, 46.741,
333.674

■ 51, 37.734,
332.978

■ 55, 28.207,
332.302

■ 59, 18.447,
331.645

■ 63, 8.661, 330.999

Harmonies

Complementary

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



38, 69.858, 336.868



59, 75.852, 140.350

Rectangle

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



38, 69.858, 336.868



38, 69.858, 26.868



38, 69.858, 156.868



38, 69.858, 206.868

Sweetspot

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



38, 69.855, 336.868



71, 32.705, 332.207



23, 88.608, 306.662



36, 21.982, 332.421



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



38, 69.855, 336.868



49, 86.713, 338.201



35, 58.787, 13.545



32, 5.459, 331.021



33, 65.338, 337.857



1, 8.159, 332.212

Inverse Universe

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



38, 69.855, 336.868



49, 86.713, 338.201



60, 48.647, 163.048



32, 5.459, 331.021



33, 65.338, 337.857



1, 8.159, 332.212

Previews

White Background



This preview shows how the CIELCh color 38, 69.858, 336.868 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, 69.858, 336.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

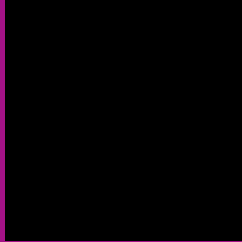
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 69.858, 336.868

Background



This preview shows how black text looks on a background with the CIELCh color 38, 69.858, 336.868.



This preview shows how white text looks on a background with the CIELCh color 38, 69.858, 336.868.

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, 69.858, 336.868

Protanopia

39, 60.688, 286.864

Deuteranopia

39, 22.855, 284.120



Tritanopia
38, 47.614, 26.493

Trichromacy



Original Color
38, 69.858, 336.868

Protanomaly
33, 65.371, 299.428

Deuteranomaly
35, 43.567, 317.681

Tritanomaly
37, 51.272, 2.889

Monochromacy



Original Color
38, 69.858, 336.868

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 33.648, 333.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 69.858, 336.868 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(164, 18, 135)` looks like.

```
.text, #text, p{  
    color:rgb(164, 18, 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(164, 18, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 18, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 69.858, 336.868 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(164, 18, 135) }
```

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

```
.border{ border-color:rgb(164, 18, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 18, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 18, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 18, 135);  
box-shadow:4px 4px 4px 4px rgb(164, 18,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 69.858, 336.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 18, 135) }
```

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

```
.background{ background-color: rgb(164, 18,  
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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