

Converting Colors

CIELCh(38, 88.158, 324.012)

Have a look what the booklet for
CIELCh(38, 88.158, 324.012)
contains.

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Color

CIELCh(38, 87.796, 324.049)

Conversions

Conversions Part 1

Format	Color
Hex	9C00AF
RGB	156, 0, 175
RGB Percent	61%, 0%, 69%
CMY	0.3897, 1.0000, 0.3152
CMYK	0.11, 1.00, 0.00, 0.32
HSL	293°, 100%, 34%
HSV	293°, 100%, 68%
XYZ	21.3268, 10.0881, 41.1914
YIQ	66.5940, 36.8010, 87.4970

Conversions

Conversions Part 2

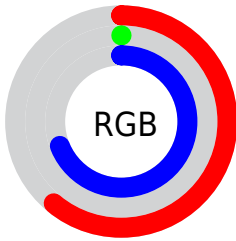
Format	Color
R_{YB}	156, 0, 175
Decimal	10223791
CIE _{Lab}	38.00, 71.07, -51.54
CIE _{LCh}	38, 87.796, 324.049
Yxy	10.0881, 0.2937, 0.1389
Android (android.graphics.Color)	4288413871 (0xFF9C00AF)
YUV	66.5940, 53.4442, 78.4091
Hunter-Lab	31.7617, 64.2731, -54.6593

Details

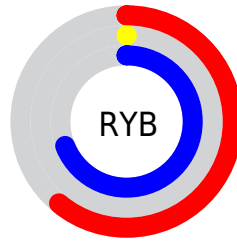
The CIELCh color **38, 87.796, 324.049** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **62, 89.503, 135.470**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 87.795, 324.033**, and **24, 67.612, 321.581** is the 20% darker color. If you saturate the color by 10%, you get **38, 87.662, 324.038**, and if you desaturate by 10%, it is **39, 85.155, 324.247**.

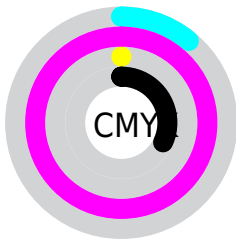
Distribution



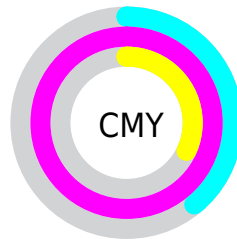
- Red (61%)
- Green (0%)
- Blue (69%)



- Red (61%)
- Yellow (0%)
- Blue (69%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (32%)




- Cyan (39%)
- Magenta (100%)
- Yellow (32%)
- Black (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 87.796, 324.049 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, 87.796, 324.049 by changing the saturation by 10% instead.


 38, 87.796,
324.049


 38, 87.796,
324.049

 100, 87.796,
324.049


 28, 87.796,
324.049

 58, 87.796,
324.049


 18, 87.796,
324.049


 68, 87.796,
324.049

 8, 87.796, 324.049

 78, 87.796,
324.049

 0, 87.796, 324.049

 88, 87.796,
324.049

 98, 87.796,
324.049

■ 38, 87.796,
324.049

■ 38, 87.796,
324.049

■ 38, 87.662,
324.038

■ 39, 85.155,
324.247

■ 41, 80.807,
324.323

■ 43, 74.288,
324.242

■ 46, 65.921,
324.029

■ 49, 56.160,
323.711

■ 53, 45.469,
323.317

■ 58, 34.244,
322.875

■ 62, 22.792,

322.405

■ 67, 11.332,
321.919

Harmonies

Complementary

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



38, 87.796, 324.049



62, 89.503, 135.470

Rectangle

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



38, 87.796, 324.049



38, 87.796, 14.049



38, 87.796, 144.049



38, 87.796, 194.049

Sweetspot

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



38, 87.662, 324.038



73, 42.375, 322.899



22, 94.717, 304.563



37, 29.113, 323.086



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 87.662, 324.038



50, 106.643, 323.967



38, 66.351, 351.344



34, 6.375, 321.884



32, 78.541, 324.086



2, 13.201, 320.149

Inverse Universe

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



36, 74.090, 35.182



47, 90.966, 35.995



62, 74.673, 144.100



34, 3.851, 11.131



31, 65.953, 34.594



2, 7.880, 12.058

Previews

White Background



This preview shows how the CIELCh color 38, 87.796, 324.049 looks on a white background.

Color Contrast Check

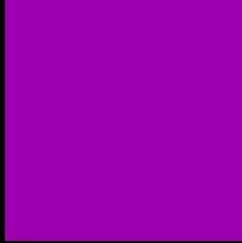
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 38, 87.796, 324.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

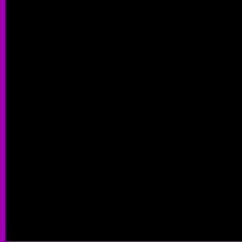
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 87.796, 324.049

Background



This preview shows how black text looks on a background with the CIELCh color 38, 87.796, 324.049.



This preview shows how white text looks on a background with the CIELCh color 38, 87.796, 324.049.

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, 87.796, 324.049

Protanopia
39, 60.618, 286.630

Deuteranopia
39, 44.028, 277.035



Tritanopia
39, 34.394, 20.501

Trichromacy



Original Color
38, 87.796, 324.049



Protanomaly
32, 77.760, 301.436



Deuteranomaly
33, 67.071, 302.287



Tritanomaly
36, 52.259, 343.650

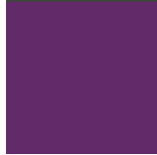
Monochromacy



Original Color
38, 87.796, 324.049



Achromatopsia
28, 0.004, 296.813



Achromatomaly
28, 44.354, 323.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 87.796, 324.049 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(156, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 175)  
}
```

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(156, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 87.796, 324.049 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(156, 0, 175) }
```

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

```
.border{ border-color:rgb(156, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 87.796, 324.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 175) }
```

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

```
.background{ background-color: rgb(156, 0,  
175) }
```

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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