

Converting Colors

CIELCh(38, 83.763, 326.535)

Have a look what the booklet for
CIELCh(38, 83.763, 326.535)
contains.

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Color

CIELCh(38, 83.850, 326.581)

Conversions

Conversions Part 1

Format	Color
Hex	9F00A6
RGB	159, 0, 166
RGB Percent	62%, 0%, 65%
CMY	0.3776, 0.9991, 0.3501
CMYK	0.04, 1.00, 0.00, 0.35
HSL	297°, 100%, 33%
HSV	297°, 100%, 65%
XYZ	21.0989, 10.0881, 36.7772
YIQ	66.4650, 41.4780, 85.3340

Conversions

Conversions Part 2

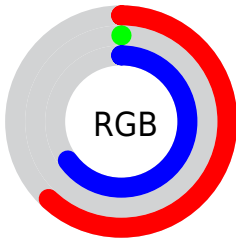
Format	Color
R_{YB}	159, 0, 166
Decimal	10420390
CIE _{Lab}	38.00, 69.99, -46.18
CIE _{LCh}	38, 83.850, 326.581
Yxy	10.0881, 0.3104, 0.1484
Android (android.graphics.Color)	4288610470 (0xFF9F00A6)
YUV	66.4650, 49.0708, 81.1532
Hunter-Lab	31.7617, 62.9926, -46.4193

Details

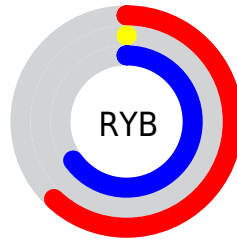
The CIELCh color **38, 83.850, 326.581** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **59, 86.478, 135.822**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 84.220, 326.457**, and **24, 63.789, 324.614** is the 20% darker color. If you saturate the color by 10%, you get **38, 83.877, 326.581**, and if you desaturate by 10%, it is **39, 81.536, 326.611**.

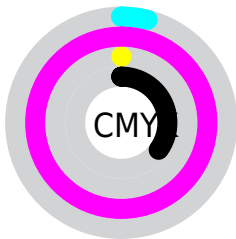
Distribution



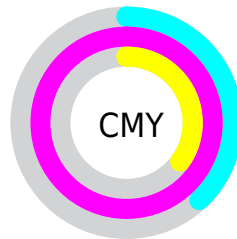
- Red (62%)
- Green (0%)
- Blue (65%)



- Red (62%)
- Yellow (0%)
- Blue (65%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)





- Cyan (38%)
- Magenta (100%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 83.850, 326.581 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, 83.850, 326.581 by changing the saturation by 10% instead.


 38, 83.850,
326.581


 38, 83.850,
326.581

 100, 83.850,
326.581


 28, 83.850,
326.581

 58, 83.850,
326.581


 18, 83.850,
326.581


 68, 83.850,
326.581

 8, 83.850, 326.581

 78, 83.850,
326.581

 0, 83.850, 326.581

 88, 83.850,
326.581

 98, 83.850,
326.581

■ 38, 83.850,
326.581

■ 38, 83.850,
326.581

■ 38, 83.877,
326.581

■ 39, 81.536,
326.611

■ 40, 77.531,
326.547

■ 42, 71.469,
326.369

■ 45, 63.602,
326.087

■ 48, 54.327,
325.721

■ 51, 44.074,
325.290

■ 55, 33.230,
324.814

■ 59, 22.105,

324.311

■ 64, 10.930,
323.790

Harmonies

Complementary

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



38, 83.850, 326.581



59, 86.478, 135.822

Rectangle

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



38, 83.850, 326.581



38, 83.850, 16.581



38, 83.850, 146.581



38, 83.850, 196.581

Sweetspot

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



38, 83.848, 326.581



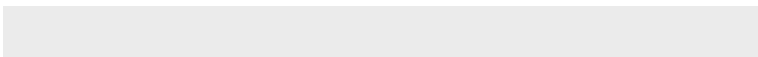
70, 41.120, 324.847



20, 94.476, 305.590



35, 27.953, 325.040



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, 83.848, 326.581



49, 101.538, 326.551



36, 62.163, 356.964



32, 6.185, 323.757



33, 76.180, 326.598



1, 9.532, 322.932

Inverse Universe

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



34, 73.753, 38.047



45, 89.946, 38.585



60, 67.439, 146.995



32, 3.631, 16.469



30, 66.592, 37.559



1, 5.476, 16.211

Previews

White Background



This preview shows how the CIELCh color 38, 83.850, 326.581 looks on a white background.

Color Contrast Check

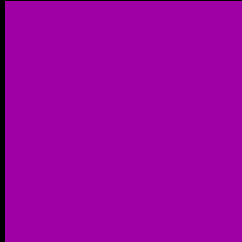
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.850, 326.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

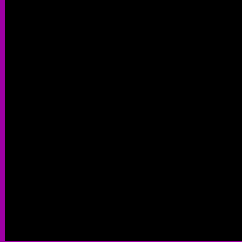
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 83.850, 326.581

Background



This preview shows how black text looks on a background with the CIELCh color 38, 83.850, 326.581.

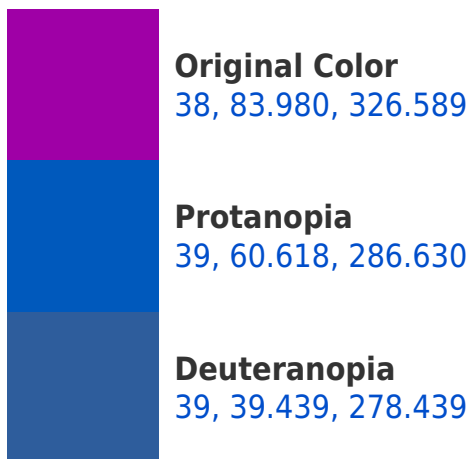


This preview shows how white text looks on a background with the CIELCh color 38, 83.850, 326.581.

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





Tritanopia
39, 38.304, 22.724

Trichromacy



Original Color
38, 83.980, 326.589



Protanomaly
32, 76.072, 301.430



Deuteranomaly
33, 62.874, 306.124



Tritanomaly
36, 52.310, 348.390

Monochromacy



Original Color
38, 83.980, 326.589



Achromatopsia
28, 0.004, 296.813



Achromatomaly
28, 42.500, 326.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 83.850, 326.581 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(159, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 166)  
}
```

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(159, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 83.850, 326.581 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(159, 0, 166) }
```

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

```
.border{ border-color:rgb(159, 0, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 0, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(159, 0,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 83.850, 326.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 166) }
```

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

```
.background{ background-color: rgb(159, 0,  
166) }
```

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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