

Converting Colors

CIELCh(38, 81.456, 329.054)

Have a look what the booklet for
CIELCh(38, 81.456, 329.054)
contains.

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Color

CIELCh(38, 81.139, 328.973)

Conversions

Conversions Part 1

Format	Color
Hex	A2009F
RGB	162, 0, 159
RGB Percent	64%, 0%, 62%
CMY	0.3666, 1.0000, 0.3783
CMYK	0.00, 1.00, 0.02, 0.37
HSL	301°, 100%, 32%
HSV	301°, 100%, 63%
XYZ	21.0036, 10.0881, 33.4315
YIQ	66.5640, 45.5130, 83.7930

Conversions

Conversions Part 2

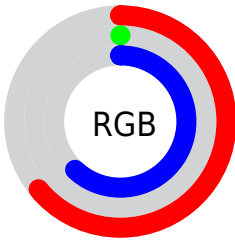
Format	Color
R_{YB}	162, 0, 159
Decimal	10616991
CIE _{Lab}	38.00, 69.53, -41.82
CIE _{LCh}	38, 81.139, 328.973
Yxy	10.0881, 0.3255, 0.1563
Android (android.graphics.Color)	4288807071 (0xFFA2009F)
YUV	66.5640, 45.5709, 83.6974
Hunter-Lab	31.7617, 62.4568, -40.1739

Details

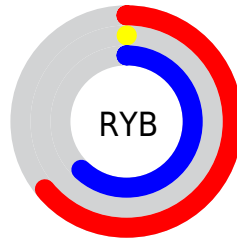
The CIELCh color **38, 81.139, 328.973** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **58, 84.756, 136.192**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 80.864, 329.159**, and **24, 61.042, 327.531** is the 20% darker color. If you saturate the color by 10%, you get **38, 80.966, 328.967**, and if you desaturate by 10%, it is **39, 78.871, 328.817**.

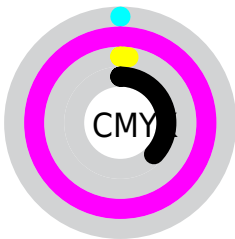
Distribution



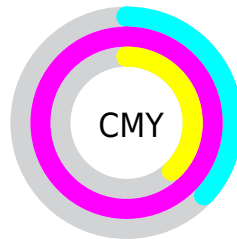
- Red (64%)
- Green (0%)
- Blue (62%)



- Red (64%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (37%)





- Cyan (37%)
- Magenta (100%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 81.139, 328.973 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, 81.139, 328.973 by changing the saturation by 10% instead.


 38, 81.139,
328.973


 38, 81.139,
328.973

 100, 81.139,
328.973


 28, 81.139,
328.973

 58, 81.139,
328.973


 18, 81.139,
328.973


 68, 81.139,
328.973

 8, 81.139, 328.973

 78, 81.139,
328.973

 0, 81.139, 328.973

 88, 81.139,
328.973

 98, 81.139,
328.973

■ 38, 81.139,
328.973

■ 38, 81.139,
328.973

■ 38, 80.966,
328.967

■ 39, 78.871,
328.817

■ 40, 75.181,
328.608

■ 42, 69.490,
328.321

■ 44, 62.010,
327.960

■ 47, 53.106,
327.534

■ 50, 43.191,
327.056

■ 54, 32.647,
326.543

■ 58, 21.789,

326.006

■ 62, 10.854,
325.453

Harmonies

Complementary

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



38, 81.139, 328.973



58, 84.756, 136.192

Rectangle

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



38, 81.139, 328.973



38, 81.139, 18.973



38, 81.139, 148.973



38, 81.139, 198.973

Sweetspot

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



38, 80.966, 328.967



69, 40.278, 326.572



18, 95.004, 306.345



34, 27.360, 326.777



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



38, 80.966, 328.967



49, 98.072, 328.981



34, 60.129, 3.093



32, 6.190, 325.412



34, 74.957, 328.961



2, 9.544, 325.097

Inverse Universe

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



38, 80.966, 328.967



49, 98.072, 328.981



58, 61.871, 150.252



32, 6.190, 325.412



34, 74.957, 328.961



2, 9.544, 325.097

Previews

White Background



This preview shows how the CIELCh color 38, 81.139, 328.973 looks on a white background.

Color Contrast Check

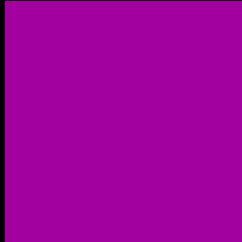
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.139, 328.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

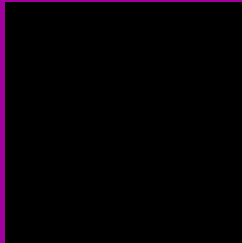
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 81.139, 328.973

Background



This preview shows how black text looks on a background with the CIELCh color 38, 81.139, 328.973.



This preview shows how white text looks on a background with the CIELCh color 38, 81.139, 328.973.

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, 81.139, 328.973

Protanopia

39, 60.618, 286.630

Deuteranopia

39, 35.538, 279.868



Tritanopia
39, 41.629, 23.803

Trichromacy



Original Color
38, 81.139, 328.973



Protanomaly
32, 74.375, 301.433



Deuteranomaly
34, 58.344, 309.157



Tritanomaly
37, 52.878, 351.618

Monochromacy



Original Color
38, 81.139, 328.973



Achromatopsia
28, 0.004, 296.813



Achromatomaly
28, 41.665, 327.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 81.139, 328.973 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(162, 0, 159)` looks like.

```
.text, #text, p{  
  color:rgb(162, 0, 159)  
}
```

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(162, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 81.139, 328.973 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(162, 0, 159) }
```

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

```
.border{ border-color:rgb(162, 0, 159) }
```

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

Here you see how a box with a 4 pixel rgb(162, 0, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 81.139, 328.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 159) }
```

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

```
.background{ background-color: rgb(162, 0,  
159) }
```

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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