

Converting Colors

CIELCh(38, 73.784, 319.790)

Have a look what the booklet for
CIELCh(38, 73.784, 319.790)
contains.

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Color

CIELCh(38, 73.714, 319.670)

Conversions

Conversions Part 1

Format	Color
Hex	892EA8
RGB	137, 46, 168
RGB Percent	54%, 18%, 66%
CMY	0.4630, 0.8198, 0.3414
CMYK	0.18, 0.73, 0.00, 0.34
HSL	285°, 57%, 42%
HSV	285°, 73%, 66%
XYZ	18.3447, 10.0881, 37.9991
YIQ	87.1170, 15.0740, 57.2340

Conversions

Conversions Part 2

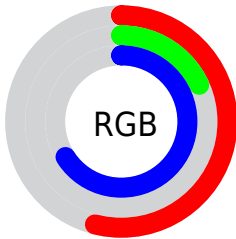
Format	Color
R_{YB}	137, 46, 168
Decimal	8990376
CIE _{Lab}	38.00, 56.19, -47.71
CIE _{LCh}	38, 73.714, 319.670
Yxy	10.0881, 0.2761, 0.1519
Android (android.graphics.Color)	4287180456 (0xFF892EA8)
YUV	87.1170, 39.8753, 43.7474
Hunter-Lab	31.7617, 47.5137, -48.7003

Details

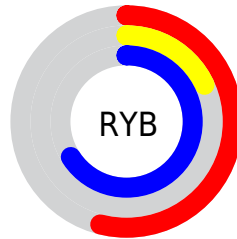
The CIELCh color **38, 73.714, 319.670** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **61, 71.484, 133.430**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 74.010, 319.790**, and **20, 66.225, 318.160** is the 20% darker color. If you saturate the color by 10%, you get **35, 80.255, 319.588**, and if you desaturate by 10%, it is **41, 65.420, 319.557**.

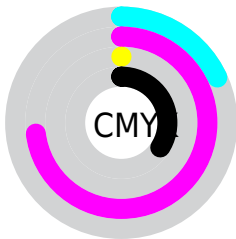
Distribution



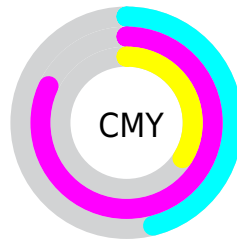
- Red (54%)
- Green (18%)
- Blue (66%)



- Red (54%)
- Yellow (18%)
- Blue (66%)



- Cyan (18%)
- Magenta (73%)
- Yellow (0%)
- Black (34%)




- Cyan (46%)
- Magenta (82%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 73.714, 319.670 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, 73.714, 319.670 by changing the saturation by 10% instead.


 38, 73.714,
319.670


 38, 73.714,
319.670

 100, 73.714,
319.670


 28, 73.714,
319.670

 58, 73.714,
319.670


 18, 73.714,
319.670


 68, 73.714,
319.670

 8, 73.714, 319.670

 78, 73.714,
319.670

 0, 73.714, 319.670

 88, 73.714,
319.670

 98, 73.714,
319.670

■ 38, 73.714,
319.670

■ 38, 73.714,
319.670

■ 35, 80.255,
319.588

■ 41, 65.420,
319.557

■ 33, 84.636,
319.262

■ 45, 55.890,
319.302

■ 32, 86.851,
318.913

■ 49, 45.596,
318.955

■ 54, 34.912,
318.552

■ 58, 24.104,
318.124

■ 63, 13.352,
317.687

■ 68, 2.768, 317.217

■ 72, 7.581, 136.898

■ 77, 17.661,
136.507

Harmonies

Complementary

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



38, 73.714, 319.670



61, 71.484, 133.430

Rectangle

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



38, 73.714, 319.670



38, 73.714, 9.670



38, 73.714, 139.670



38, 73.714, 189.670

Sweetspot

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



38, 73.713, 319.670



75, 29.092, 318.113



36, 55.327, 291.015



38, 19.549, 318.225



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, 73.713, 319.670



45, 101.434, 319.426



41, 63.484, 337.083



33, 5.968, 317.539



28, 79.074, 319.000



1, 10.595, 314.964

Inverse Universe

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



39, 52.542, 12.149



48, 74.196, 18.867



61, 65.530, 144.023



33, 3.934, 0.022



30, 59.427, 24.028



1, 6.923, 1.832

Previews

White Background



This preview shows how the CIELCh color 38, 73.714, 319.670 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, 73.714, 319.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

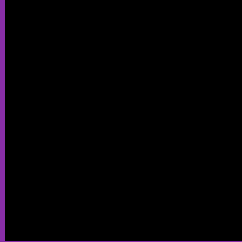
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 73.714, 319.670

Background



This preview shows how black text looks on a background with the CIELCh color 38, 73.714, 319.670.



This preview shows how white text looks on a background with the CIELCh color 38, 73.714, 319.670.

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, 73.714, 319.670

Protanopia

38, 59.630, 286.611

Deuteranopia

39, 42.879, 277.283



Tritanopia
38, 21.748, 13.404

Trichromacy



Original Color
38, 73.714, 319.670

Protanomaly
35, 65.379, 295.773

Deuteranomaly
36, 54.347, 295.855

Tritanomaly
37, 37.642, 335.752

Monochromacy



Original Color
38, 73.714, 319.670

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 30.010, 318.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 73.714, 319.670 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(137, 46, 168)` looks like.

```
.text, #text, p{  
    color:rgb(137, 46, 168)  
}
```

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(137, 46, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 46, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 73.714, 319.670 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(137, 46, 168) }
```

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

```
.border{ border-color:rgb(137, 46, 168) }
```

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

Here you see how a box with a 4 pixel rgb(137, 46, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 46, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 46, 168);  
box-shadow:4px 4px 4px 4px rgb(137, 46,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 73.714, 319.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 46, 168) }
```

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

```
.background{ background-color: rgb(137, 46,  
168) }
```

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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