

Converting Colors

CIELCh(38, 119.270, 311.725)

Have a look what the booklet for
CIELCh(38, 119.270, 311.725)
contains.

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Color

CIELCh(38, 119.073, 311.666)

Conversions

Conversions Part 1

Format	Color
Hex	7700EF
RGB	119, 0, 239
RGB Percent	47%, 0%, 94%
CMY	0.5348, 1.0000, 0.0641
CMYK	0.50, 1.00, 0.00, 0.06
HSL	270°, 100%, 47%
HSV	270°, 100%, 94%
XYZ	23.0752, 10.0881, 82.1253
YIQ	62.8270, -5.7950, 99.5570

Conversions

Conversions Part 2

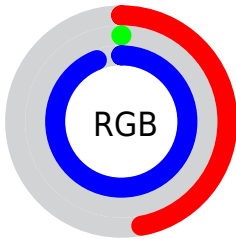
Format	Color
R_{YB}	119, 0, 239
Decimal	7799023
CIE _{Lab}	38.00, 79.16, -88.95
CIE _{LCh}	38, 119.073, 311.666
Yxy	10.0881, 0.2002, 0.0875
Android (android.graphics.Color)	4285989103 (0xFF7700EF)
YUV	62.8270, 86.8533, 49.2637
Hunter-Lab	31.7617, 74.0989, -131.0713

Details

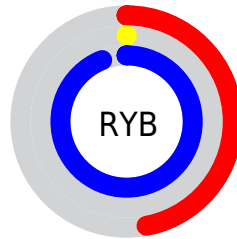
The CIELCh color **38, 119.073, 311.666** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **85, 103.925, 128.211**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 98.610, 314.762**, and **23, 101.122, 307.792** is the 20% darker color. If you saturate the color by 10%, you get **38, 118.965, 311.648**, and if you desaturate by 10%, it is **41, 114.180, 312.261**.

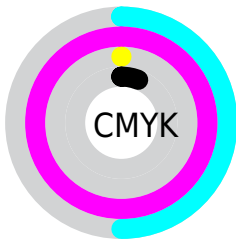
Distribution



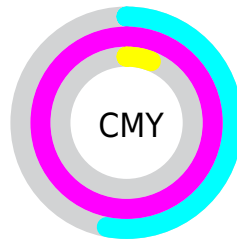
- Red (47%)
- Green (0%)
- Blue (94%)



- Red (47%)
- Yellow (0%)
- Blue (94%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (53%)
- Magenta (100%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 119.073, 311.666 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, 119.073, 311.666 by changing the saturation by 10% instead.


 38, 119.073,
311.666


 38, 119.073,
311.666

 100, 119.073,
311.666


 28, 119.073,
311.666

 58, 119.073,
311.666


 18, 119.073,
311.666


 68, 119.073,
311.666

 8, 119.073,
311.666

 78, 119.073,
311.666

 0, 119.073,
311.666

 88, 119.073,
311.666

 98, 119.073,
311.666

■ 38, 119.073,
311.666

■ 38, 119.073,
311.666

■ 38, 118.965,
311.648

■ 41, 114.180,
312.261

■ 44, 106.217,
312.492

■ 49, 95.390,
312.372

■ 55, 82.687,
312.019

■ 61, 68.973,
311.535

■ 67, 54.860,
310.993

■ 74, 40.733,
310.442

■ 81, 26.814,

309.909

■ 87, 13.221,
309.408

Harmonies

Complementary

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



38, 119.073, 311.666



85, 103.925, 128.211

Rectangle

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



38, 119.073, 311.666



38, 119.073, 1.666



38, 119.073, 131.666



38, 119.073, 181.666

Sweetspot

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



38, 118.965, 311.648



78, 42.986, 310.448



52, 67.479, 283.187



39, 29.464, 310.680



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



38, 118.965, 311.648



41, 125.131, 311.607



56, 109.995, 327.564



46, 7.533, 309.383



29, 97.556, 311.835



5, 39.621, 311.972

Inverse Universe

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



51, 80.541, 2.484



55, 84.662, 2.656



83, 113.842, 135.966



47, 6.078, 344.242



39, 66.251, 1.698



8, 29.472, 355.335

Previews

White Background



This preview shows how the CIELCh color 38, 119.073, 311.666 looks on a white background.

Color Contrast Check

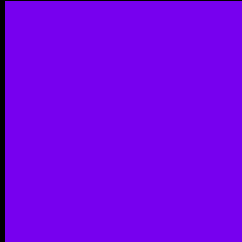
Large Text (above 18pt) WCAG AA ✓ Pass

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, 119.073, 311.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

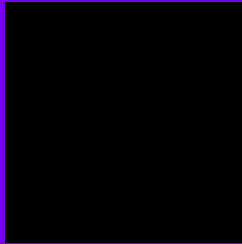
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 119.073, 311.666

Background



This preview shows how black text looks on a background with the CIELCh color 38, 119.073, 311.666.



This preview shows how white text looks on a background with the CIELCh color 38, 119.073,

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

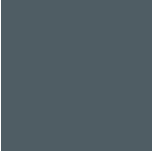
38, 119.073, 311.666

Protanopia

39, 59.561, 286.372

Deuteranopia

39, 41.224, 272.385



Tritanopia
39, 6.874, 237.704

Trichromacy



Original Color
38, 119.073, 311.666

Protanomaly
33, 90.652, 301.415

Deuteranomaly
33, 78.462, 299.470

Tritanomaly
33, 57.214, 308.446

Monochromacy



Original Color
38, 119.073, 311.666

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 56.206, 312.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 119.073, 311.666 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(119, 0, 239)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 239)  
}
```

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(119, 0, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 119.073, 311.666 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(119, 0, 239) }
```

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

```
.border{ border-color:rgb(119, 0, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 0, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 239);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 119.073, 311.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 239) }
```

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

```
.background{ background-color: rgb(119, 0,  
239) }
```

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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