

Converting Colors

CIELCh(38, 119.173, 311.810)

Have a look what the booklet for
CIELCh(38, 119.173, 311.810)
contains.

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Color

CIELCh(38, 118.531, 311.812)

Conversions

Conversions Part 1

Format	Color
Hex	7800EE
RGB	120, 0, 238
RGB Percent	47%, 0%, 93%
CMY	0.5312, 1.0000, 0.0683
CMYK	0.50, 1.00, 0.00, 0.07
HSL	270°, 100%, 47%
HSV	270°, 100%, 93%
XYZ	23.0452, 10.0881, 81.3080
YIQ	63.0120, -4.8780, 99.4580

Conversions

Conversions Part 2

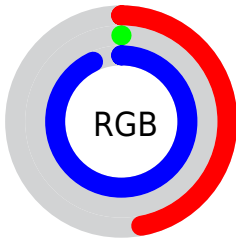
Format	Color
R_{YB}	120, 0, 238
Decimal	7864558
CIE _{Lab}	38.00, 79.02, -88.35
CIE _{LCh}	38, 118.531, 311.812
Yxy	10.0881, 0.2014, 0.0882
Android (android.graphics.Color)	4286054638 (0xFF7800EE)
YUV	63.0120, 86.2691, 49.9785
Hunter-Lab	31.7617, 73.9307, -129.5456

Details

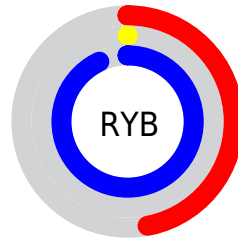
The CIELCh color **38, 118.531, 311.812** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **84, 103.779, 128.410**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 98.597, 314.927**, and **23, 100.508, 307.935** is the 20% darker color. If you saturate the color by 10%, you get **38, 118.402, 311.790**, and if you desaturate by 10%, it is **41, 113.660, 312.409**.

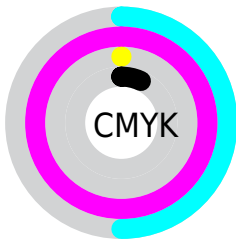
Distribution



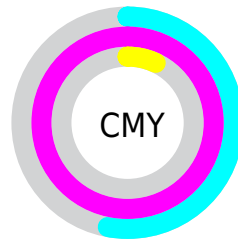
- Red (47%)
- Green (0%)
- Blue (93%)



- Red (47%)
- Yellow (0%)
- Blue (93%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (53%)
- Magenta (100%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 118.531, 311.812 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, 118.531, 311.812 by changing the saturation by 10% instead.


 38, 118.531,
311.812


 38, 118.531,
311.812


 100, 118.531,
311.812


 28, 118.531,
311.812


 58, 118.531,
311.812


 18, 118.531,
311.812


 68, 118.531,
311.812

 8, 118.531,
311.812

 78, 118.531,
311.812

 0, 118.531,
311.812

 88, 118.531,
311.812

 98, 118.531,
311.812

■ 38, 118.531,
311.812

■ 38, 118.531,
311.812

■ 38, 118.402,
311.790

■ 41, 113.660,
312.409

■ 44, 105.767,
312.649

■ 49, 95.022,
312.539

■ 55, 82.399,
312.197

■ 61, 68.755,
311.723

■ 67, 54.702,
311.189

■ 74, 40.624,
310.645

■ 80, 26.746,

310.117

■ 87, 13.189,
309.620

Harmonies

Complementary

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



38, 118.531, 311.812



84, 103.779, 128.410

Rectangle

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



38, 118.531, 311.812



38, 118.531, 1.812



38, 118.531, 131.812



38, 118.531, 181.812

Sweetspot

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



38, 118.402, 311.790



78, 43.027, 310.651



51, 69.557, 284.844



39, 29.489, 310.881



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, 118.402, 311.790



41, 124.963, 311.747



56, 109.545, 328.233



46, 7.543, 309.595



29, 97.427, 311.975



5, 39.645, 312.168

Inverse Universe

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



51, 80.205, 3.069



55, 84.595, 3.255



82, 113.537, 136.016



47, 6.053, 344.577



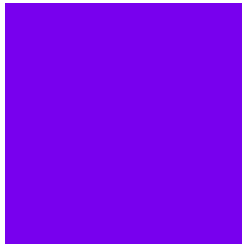
39, 66.187, 2.282



8, 29.415, 355.808

Previews

White Background



This preview shows how the CIE LCh color 38, 118.531, 311.812 looks on a white background.

Color Contrast Check

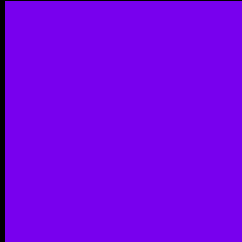
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.531, 311.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

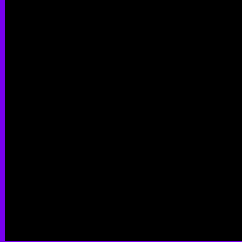
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 118.531, 311.812

Background



This preview shows how black text looks on a background with the CIELCh color 38, 118.531, 311.812.



This preview shows how white text looks on a background with the CIELCh color 38, 118.531, 311.812.

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

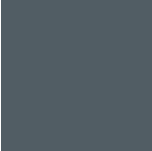
38, 118.531, 311.812

Protanopia

39, 59.561, 286.372

Deuteranopia

39, 41.224, 272.385



Tritanopia
39, 6.304, 242.056

Trichromacy



Original Color
38, 118.531, 311.812

Protanomaly
33, 90.124, 301.368

Deuteranomaly
33, 78.462, 299.470

Tritanomaly
33, 57.223, 309.057

Monochromacy



Original Color
38, 118.531, 311.812

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 55.646, 312.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 118.531, 311.812 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(120, 0, 238)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 238)  
}
```

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(120, 0, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 118.531, 311.812 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(120, 0, 238) }
```

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

```
.border{ border-color:rgb(120, 0, 238) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 238);  
box-shadow:4px 4px 4px 4px rgb(120, 0,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 118.531, 311.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 238) }
```

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

```
.background{ background-color: rgb(120, 0,  
238) }
```

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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