

Converting Colors

CIELCh(38, 120.889, 311.167)

Have a look what the booklet for
CIELCh(38, 120.889, 311.167)
contains.

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Color

CIELCh(38, 120.806, 311.158)

Conversions

Conversions Part 1

Format	Color
Hex	7300F2
RGB	115, 0, 242
RGB Percent	45%, 0%, 95%
CMY	0.5482, 0.9984, 0.0503
CMYK	0.52, 1.00, 0.00, 0.05
HSL	268°, 100%, 48%
HSV	268°, 100%, 95%
XYZ	23.1527, 10.0881, 84.8661
YIQ	61.9730, -9.1420, 99.6420

Conversions

Conversions Part 2

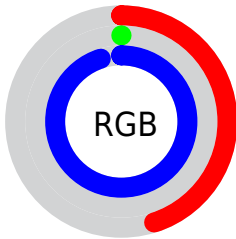
Format	Color
R_{YB}	115, 0, 242
Decimal	7536882
CIE Lab	38.00, 79.51, -90.95
CIE LCh	38, 120.806, 311.158
Yxy	10.0881, 0.1960, 0.0854
Android (android.graphics.Color)	4285726962 (0xFF7300F2)
YUV	61.9730, 88.7533, 46.5047
Hunter-Lab	31.7617, 74.5345, -136.1875

Details

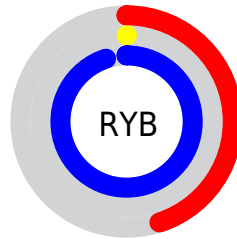
The CIELCh color **38, 120.806, 311.158** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **86, 104.269, 127.446**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 98.651, 314.268**, and **23, 103.132, 307.269** is the 20% darker color. If you saturate the color by 10%, you get **38, 120.882, 311.149**, and if you desaturate by 10%, it is **41, 115.837, 311.746**.

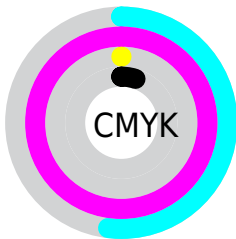
Distribution



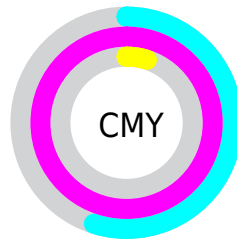
- Red (45%)
- Green (0%)
- Blue (95%)



- Red (45%)
- Yellow (0%)
- Blue (95%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (55%)
- Magenta (100%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 120.806, 311.158 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, 120.806, 311.158 by changing the saturation by 10% instead.


 38, 120.806,
311.158


 38, 120.806,
311.158


 100, 120.806,
311.158


 28, 120.806,
311.158


 58, 120.806,
311.158


 18, 120.806,
311.158


 68, 120.806,
311.158

 8, 120.806,
311.158

 78, 120.806,
311.158

 0, 120.806,
311.158

 88, 120.806,
311.158

 98, 120.806,
311.158

■ 38, 120.806,
311.158

■ 38, 120.806,
311.158

■ 38, 120.882,
311.149

■ 41, 115.837,
311.746

■ 45, 107.567,
311.935

■ 49, 96.411,
311.768

■ 55, 83.408,
311.370

■ 61, 69.444,
310.846

■ 68, 55.129,
310.273

■ 75, 40.841,
309.696

■ 82, 26.791,

309.144

■ 89, 13.090,
308.629

Harmonies

Complementary

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



38, 120.806, 311.158



86, 104.269, 127.446

Rectangle

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



38, 120.806, 311.158



38, 120.806, 1.158



38, 120.806, 131.158



38, 120.806, 181.158

Sweetspot

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



38, 120.807, 311.159



78, 42.843, 309.710



54, 65.870, 281.383



39, 29.374, 309.953



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, 120.807, 311.159



40, 125.740, 311.118



56, 111.287, 326.900



46, 7.500, 308.611



28, 98.023, 311.344



5, 39.533, 311.265

Inverse Universe

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



52, 81.744, 0.314



55, 84.994, 0.506



84, 114.995, 135.923



47, 6.170, 343.052



40, 66.552, 359.605



8, 29.697, 353.647

Previews

White Background



This preview shows how the CIELCh color 38, 120.806, 311.158 looks on a white background.

Color Contrast Check

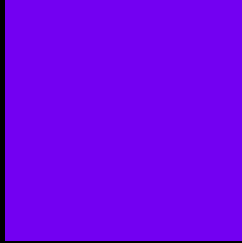
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 120.806, 311.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

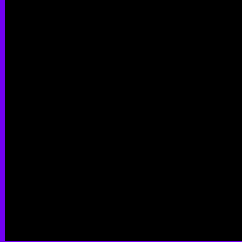
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 120.806, 311.158

Background



This preview shows how black text looks on a background with the CIELCh color 38, 120.806, 311.158.



This preview shows how white text looks on a background with the CIELCh color 38, 120.806, 311.158.

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, 120.806, 311.158

Protanopia

39, 58.997, 286.118

Deuteranopia

38, 41.226, 272.707



Tritanopia
38, 9.550, 229.647

Trichromacy



Original Color
38, 120.806, 311.158

Protanomaly
33, 90.680, 301.351

Deuteranomaly
32, 79.674, 299.709

Tritanomaly
33, 58.268, 306.500

Monochromacy



Original Color
38, 120.806, 311.158

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 56.783, 311.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 120.806, 311.158 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(115, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 242)  
}
```

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(115, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 120.806, 311.158 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(115, 0, 242) }
```

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

```
.border{ border-color:rgb(115, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 120.806, 311.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 242) }
```

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

```
.background{ background-color: rgb(115, 0,  
242) }
```

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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