

Converting Colors

CIELCh(38, 103.310, 311.469)

Have a look what the booklet for
CIELCh(38, 103.310, 311.469)
contains.

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Color

CIELCh(38, 103.112, 311.476)

Conversions

Conversions Part 1

Format	Color
Hex	7622DA
RGB	118, 34, 218
RGB Percent	46%, 13%, 85%
CMY	0.5366, 0.8659, 0.1445
CMYK	0.46, 0.84, 0.00, 0.14
HSL	267°, 73%, 49%
HSV	267°, 84%, 86%
XYZ	20.7465, 10.0881, 67.2916
YIQ	80.0920, -9.0000, 75.0320

Conversions

Conversions Part 2

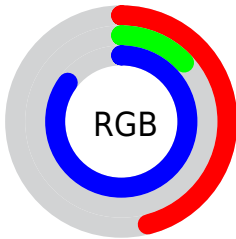
Format	Color
R _{YB}	118, 34, 218
Decimal	7742170
CIE Lab	38.00, 68.29, -77.25
CIE LCh	38, 103.112, 311.476
Yxy	10.0881, 0.2114, 0.1028
Android (android.graphics.Color)	4285932250 (0xFF7622DA)
YUV	80.0920, 67.9886, 33.2453
Hunter-Lab	31.7617, 61.0121, -103.3809

Details

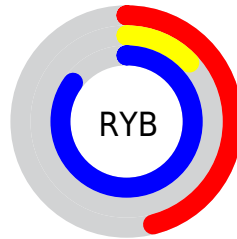
The CIELCh color **38, 103.112, 311.476** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **79, 89.266, 125.182**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 92.646, 313.058**, and **21, 91.937, 308.792** is the 20% darker color. If you saturate the color by 10%, you get **35, 109.555, 311.148**, and if you desaturate by 10%, it is **42, 93.682, 311.400**.

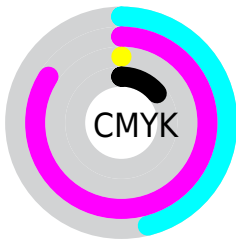
Distribution



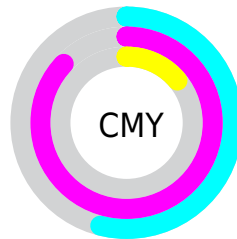
- Red (46%)
- Green (13%)
- Blue (85%)



- Red (46%)
- Yellow (13%)
- Blue (85%)



- Cyan (46%)
- Magenta (84%)
- Yellow (0%)
- Black (14%)





- Cyan (54%)
- Magenta (87%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 103.112, 311.476 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, 103.112, 311.476 by changing the saturation by 10% instead.


 38, 103.112,
311.476


 38, 103.112,
311.476


 100, 103.112,
311.476


 28, 103.112,
311.476


 58, 103.112,
311.476


 18, 103.112,
311.476


 68, 103.112,
311.476

 8, 103.112,
311.476

 78, 103.112,
311.476

 0, 103.112,
311.476

 88, 103.112,
311.476

 98, 103.112,
311.476

■ 38, 103.112,
311.476

■ 38, 103.112,
311.476

■ 35, 109.555,
311.148

■ 42, 93.682,
311.400

■ 33, 112.093,
310.832

■ 47, 82.203,
311.045

■ 53, 69.581,
310.530

■ 59, 56.474,
309.944

■ 65, 43.298,
309.343

■ 71, 30.293,
308.762

■ 78, 17.587,
308.219

■ 84, 5.239, 307.712

Harmonies

Complementary

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



38, 103.112, 311.476



79, 89.266, 125.182

Rectangle

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



38, 103.112, 311.476



38, 103.112, 1.476



38, 103.112, 131.476



38, 103.112, 181.476

Sweetspot

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



38, 103.112, 311.477



82, 35.371, 308.812



55, 50.118, 271.835



41, 24.247, 309.016



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, 103.112, 311.477



40, 126.238, 310.734



52, 98.455, 326.334



43, 6.946, 307.968



26, 94.275, 311.005



3, 30.933, 307.689

Inverse Universe

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



49, 73.628, 353.183



55, 85.371, 358.766



77, 100.704, 136.315



43, 5.807, 342.094



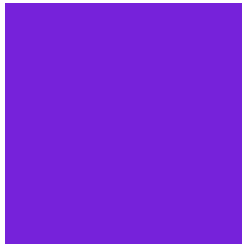
37, 64.136, 357.739



6, 25.559, 351.395

Previews

White Background



This preview shows how the CIELCh color 38, 103.112, 311.476 looks on a white background.

Color Contrast Check

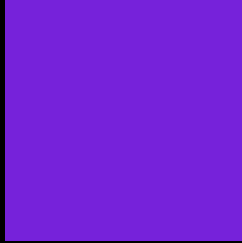
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.112, 311.476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

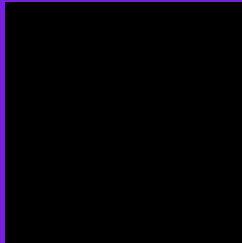
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 103.112, 311.476

Background



This preview shows how black text looks on a background with the CIELCh color 38, 103.112, 311.476.



This preview shows how white text looks on a background with the CIELCh color 38, 103.112, 311.476.

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, 103.112, 311.476

Protanopia

38, 58.501, 286.103

Deuteranopia

38, 41.755, 273.560



Tritanopia
38, 4.322, 285.439

Trichromacy



Original Color
38, 103.112, 311.476



Protanomaly
35, 77.767, 297.948



Deuteranomaly
35, 66.749, 295.370



Tritanomaly
36, 45.050, 309.189

Monochromacy



Original Color
38, 103.112, 311.476



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 43.214, 310.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 103.112, 311.476 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(118, 34, 218)` looks like.

```
.text, #text, p{  
    color:rgb(118, 34, 218)  
}
```

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(118, 34, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 34, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 103.112, 311.476 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(118, 34, 218) }
```

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

```
.border{ border-color:rgb(118, 34, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 34, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 34, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 34, 218);  
box-shadow:4px 4px 4px 4px rgb(118, 34,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 103.112, 311.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 34, 218) }
```

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

```
.background{ background-color: rgb(118, 34,  
218) }
```

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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