

Converting Colors

CIELCh(38, 121.391, 305.662)

Have a look what the booklet for
CIELCh(38, 121.391, 305.662)
contains.

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Color

CIELCh(38, 121.059, 305.663)

Conversions

Conversions Part 1

Format	Color
Hex	432AFF
RGB	67, 42, 255
RGB Percent	26%, 16%, 100%
CMY	0.7366, 0.8349, 0.0000
CMYK	0.74, 0.83, 0.00, 0.00
HSL	247°, 100%, 58%
HSV	247°, 83%, 100%
XYZ	21.2231, 10.0881, 95.5208
YIQ	73.7570, -53.4730, 71.5430

Conversions

Conversions Part 2

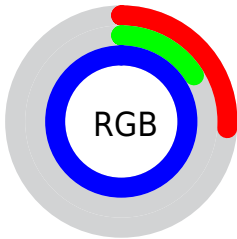
Format	Color
R _Y B	67, 42, 255
Decimal	4401919
CIE _{Lab}	38.00, 70.58, -98.36
CIE _{LCh}	38, 121.059, 305.663
Y _{xy}	10.0881, 0.1673, 0.0795
Android (android.graphics.Color)	4282591999 (0xFF432AFF)
Y _{UV}	73.7570, 89.3528, -5.9259
Hunter-Lab	31.7617, 63.6904, -156.0768

Details

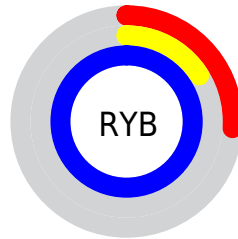
The CIELCh color **38, 121.059, 305.663** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **95, 92.630, 109.641**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 90.727, 306.692**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 129.837, 306.421**, and if you desaturate by 10%, it is **43, 108.078, 304.351**.

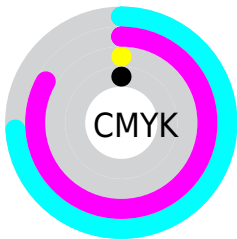
Distribution



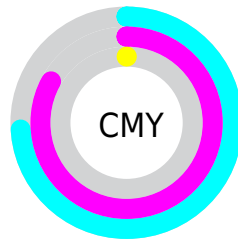
- Red (26%)
- Green (16%)
- Blue (100%)



- Red (26%)
- Yellow (16%)
- Blue (100%)



- Cyan (74%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (83%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 121.059, 305.663 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, 121.059, 305.663 by changing the saturation by 10% instead.


 38, 121.059,
305.663


 38, 121.059,
305.663


 100, 121.059,
305.663


 28, 121.059,
305.663


 58, 121.059,
305.663


 18, 121.059,
305.663


 68, 121.059,
305.663

 8, 121.059,
305.663

 78, 121.059,
305.663

 0, 121.059,
305.663

 88, 121.059,
305.663

 98, 121.059,
305.663

■ 38, 121.059,
305.663

■ 38, 121.059,
305.663

■ 34, 129.837,
306.421

■ 43, 108.078,
304.351

■ 33, 133.100,
306.618

■ 50, 93.023,
302.764

■ 58, 77.315,
301.135

■ 65, 61.727,
299.600

■ 73, 46.591,
298.222

■ 81, 32.018,
297.017

■ 89, 18.023,
295.977

■ 97, 4.583, 295.089

100, 0.012,
296.813

Harmonies

Complementary

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



38, 121.059, 305.663



95, 92.630, 109.641

Rectangle

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



38, 121.059, 305.663



38, 121.059, 355.663



38, 121.059, 125.663



38, 121.059, 175.663

Sweetspot

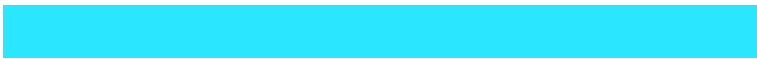
The Sweet Spot groups the original color and five complimentary colors.



38, 121.015, 305.664



80, 34.175, 297.187



84, 43.114, 214.784



40, 23.485, 297.600



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, 121.015, 305.664



33, 133.100, 306.618



49, 113.469, 315.633



49, 7.534, 295.605



24, 107.080, 306.692



4, 44.396, 304.045

Inverse Universe

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



60, 101.790, 332.727



59, 105.181, 333.676



90, 105.287, 130.294



50, 8.353, 328.354



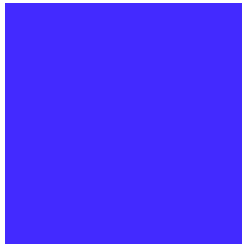
44, 84.853, 333.571



12, 39.471, 332.854

Previews

White Background



This preview shows how the CIELCh color 38, 121.059, 305.663 looks on a white background.

Color Contrast Check

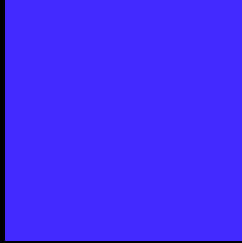
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.059, 305.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

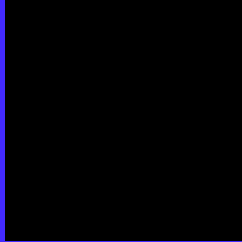
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 121.059, 305.663

Background



This preview shows how black text looks on a background with the CIELCh color 38, 121.059, 305.663.



This preview shows how white text looks on a background with the CIELCh color 38, 121.059, 305.663.

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, 121.059, 305.663

Protanopia

37, 58.072, 286.333

Deuteranopia

37, 39.670, 271.693



Tritanopia
37, 24.124, 205.527

Trichromacy



Original Color
38, 121.059, 305.663

Protanomaly
36, 84.056, 297.557

Deuteranomaly
35, 71.418, 294.362

Tritanomaly
34, 50.834, 286.151

Monochromacy



Original Color
38, 121.059, 305.663

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 49.415, 301.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 121.059, 305.663 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(67, 42, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 42, 255)  
}
```

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(67, 42, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 42, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 121.059, 305.663 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(67, 42, 255) }
```

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

```
.border{ border-color:rgb(67, 42, 255) }
```

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

Here you see how a box with a 4 pixel rgb(67, 42, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 42, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 42, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 42,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 121.059, 305.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 42, 255) }
```

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

```
.background{ background-color: rgb(67, 42,  
255) }
```

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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