

Converting Colors

CIELCh(38, 122.367, 307.624)

Have a look what the booklet for
CIELCh(38, 122.367, 307.624)
contains.

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Color

CIELCh(38, 122.610, 307.627)

Conversions

Conversions Part 1

Format	Color
Hex	571FFD
RGB	87, 31, 253
RGB Percent	34%, 12%, 99%
CMY	0.6591, 0.8787, 0.0081
CMYK	0.66, 0.88, 0.00, 0.01
HSL	255°, 98%, 56%
HSV	255°, 88%, 99%
XYZ	22.1334, 10.0881, 93.6647
YIQ	73.0520, -37.8860, 80.9140

Conversions

Conversions Part 2

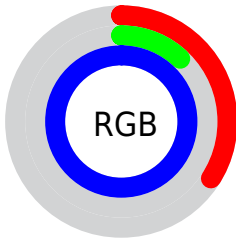
Format	Color
R_{YB}	87, 31, 253
Decimal	5709821
CIE _{Lab}	38.00, 74.86, -97.11
CIE _{LCh}	38, 122.610, 307.627
Yxy	10.0881, 0.1758, 0.0801
Android (android.graphics.Color)	4283899901 (0xFF571FFD)
YUV	73.0520, 88.7144, 12.2324
Hunter-Lab	31.7617, 68.8062, -152.6119

Details

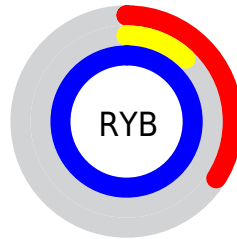
The CIELCh color **38, 122.610, 307.627** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **93, 96.487, 116.695**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 93.873, 309.722**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 129.217, 307.631**, and if you desaturate by 10%, it is **43, 111.800, 307.087**.

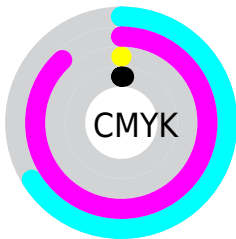
Distribution



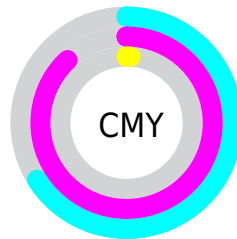
- Red (34%)
- Green (12%)
- Blue (99%)



- Red (34%)
- Yellow (12%)
- Blue (99%)



- Cyan (66%)
- Magenta (88%)
- Yellow (0%)
- Black (1%)





- Cyan (66%)
- Magenta (88%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 122.610, 307.627 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, 122.610, 307.627 by changing the saturation by 10% instead.


 38, 122.610,
307.627


 38, 122.610,
307.627


 100, 122.610,
307.627


 28, 122.610,
307.627


 58, 122.610,
307.627


 18, 122.610,
307.627


 68, 122.610,
307.627

 8, 122.610,
307.627

 78, 122.610,
307.627

 0, 122.610,
307.627

 88, 122.610,
307.627

 98, 122.610,
307.627

■ 38, 122.610,
307.627

■ 38, 122.610,
307.627

■ 35, 129.217,
307.631

■ 43, 111.800,
307.087

■ 34, 130.336,
307.608

■ 49, 98.218,
306.186

■ 56, 83.324,
305.124

■ 63, 68.070,
304.037

■ 70, 52.968,
303.005

■ 78, 38.257,
302.065

■ 86, 24.033,
301.229

■ 93, 10.320,

300.494

100, 1.030,
110.026

Harmonies

Complementary

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



38, 122.610, 307.627



93, 96.487, 116.695

Rectangle

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



38, 122.610, 307.627



38, 122.610, 357.627



38, 122.610, 127.627



38, 122.610, 177.627

Sweetspot

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



38, 122.612, 307.628



80, 35.936, 301.910



75, 43.586, 241.669



40, 24.515, 302.218



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, 122.612, 307.628



35, 131.143, 307.605



52, 113.740, 319.501



49, 7.623, 300.615



25, 105.427, 307.740



4, 44.662, 306.629

Inverse Universe

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



58, 93.427, 340.022



57, 94.971, 341.851



88, 111.114, 133.516



50, 7.595, 333.020



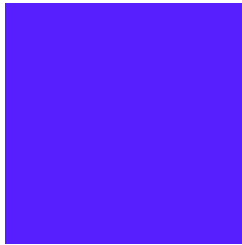
43, 76.727, 341.553



11, 36.070, 339.556

Previews

White Background



This preview shows how the CIELCh color 38, 122.610, 307.627 looks on a white background.

Color Contrast Check

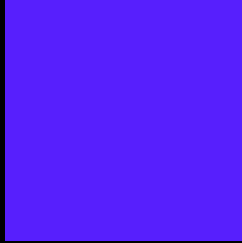
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122.610, 307.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

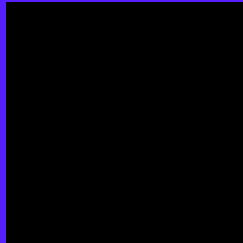
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 122.610, 307.627

Background



This preview shows how black text looks on a background with the CIELCh color 38, 122.610, 307.627.



This preview shows how white text looks on a background with the CIELCh color 38, 122.610, 307.627.

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, 122.610, 307.627

Protanopia

38, 58.004, 286.087

Deuteranopia

38, 39.672, 271.359



Tritanopia
38, 24.300, 205.444

Trichromacy



Original Color
38, 122.610, 307.627

Protanomaly
35, 85.844, 298.690

Deuteranomaly
35, 73.291, 295.880

Tritanomaly
33, 53.303, 289.318

Monochromacy



Original Color
38, 122.610, 307.627

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 50.940, 304.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 122.610, 307.627 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(87, 31, 253)` looks like.

```
.text, #text, p{  
    color:rgb(87, 31, 253)  
}
```

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(87, 31, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 31, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 122.610, 307.627 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(87, 31, 253) }
```

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

```
.border{ border-color:rgb(87, 31, 253) }
```

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

Here you see how a box with a 4 pixel rgb(87, 31, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 31, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 31, 253);  
box-shadow:4px 4px 4px 4px rgb(87, 31,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 122.610, 307.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 31, 253) }
```

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

```
.background{ background-color: rgb(87, 31,  
253) }
```

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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