

Converting Colors

CIELCh(38, 127.931, 309.531)

Have a look what the booklet for
CIELCh(38, 127.931, 309.531)
contains.

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Color

CIELCh(38, 127.593, 309.543)

Conversions

Conversions Part 1

Format	Color
Hex	6503FF
RGB	101, 3, 255
RGB Percent	40%, 1%, 100%
CMY	0.6024, 0.9893, 0.0000
CMYK	0.60, 0.99, 0.00, 0.00
HSL	263°, 100%, 51%
HSV	263°, 99%, 100%
XYZ	23.5387, 10.0881, 95.5767
YIQ	61.0300, -22.4840, 99.1480

Conversions

Conversions Part 2

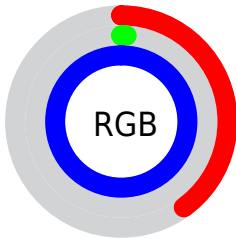
Format	Color
RYB	101, 3, 255
Decimal	6620159
CIELab	38.00, 81.23, -98.39
CIElCh	38, 127.593, 309.543
Yxy	10.0881, 0.1822, 0.0781
Android (android.graphics.Color)	4284810239 (0xFF6503FF)
YUV	61.0300, 95.6272, 35.0537
Hunter-Lab	31.7617, 76.7040, -156.1812

Details

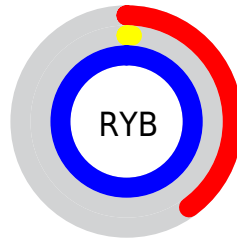
The CIELCh color **38, 127.593, 309.543** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **91, 105.177, 124.168**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 98.827, 312.659**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **38, 127.974, 309.502**, and if you desaturate by 10%, it is **41, 121.724, 309.985**.

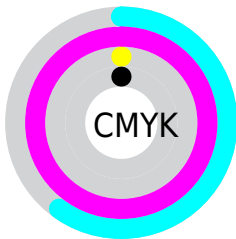
Distribution



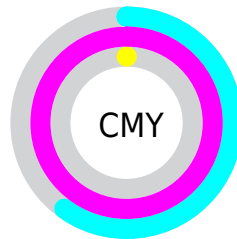
- Red (40%)
- Green (1%)
- Blue (100%)



- Red (40%)
- Yellow (1%)
- Blue (100%)



- Cyan (60%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (99%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 127.593, 309.543 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, 127.593, 309.543 by changing the saturation by 10% instead.


 38, 127.593,
309.543


 38, 127.593,
309.543


 100, 127.593,
309.543


 28, 127.593,
309.543


 58, 127.593,
309.543

 18, 127.593,
309.543


 68, 127.593,
309.543

 8, 127.593,
309.543

 78, 127.593,
309.543

 0, 127.593,
309.543

 88, 127.593,
309.543

 98, 127.593,
309.543

■ 38, 127.593,
309.543

■ 38, 127.593,
309.543

■ 38, 127.974,
309.502

■ 41, 121.724,
309.985

■ 45, 112.198,
309.956

■ 51, 99.741,
309.562

■ 57, 85.591,
308.956

■ 64, 70.694,
308.256

■ 71, 55.647,
307.538

■ 79, 40.784,
306.848

■ 86, 26.274,

306.209

■ 93, 12.195,
305.628

Harmonies

Complementary

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



38, 127.593, 309.543



91, 105.177, 124.168

Rectangle

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



38, 127.593, 309.543



38, 127.593, 359.543



38, 127.593, 129.543



38, 127.593, 179.543

Sweetspot

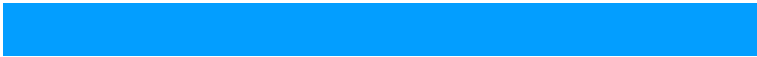
The Sweet Spot groups the original color and five complimentary colors.



38, 127.462, 309.553



78, 42.362, 306.920



63, 57.350, 270.539



38, 29.076, 307.208



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, 127.462, 309.553



38, 127.974, 309.502



55, 116.349, 323.677



49, 7.773, 305.660



27, 102.859, 309.683



5, 44.888, 309.959

Inverse Universe

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



56, 87.421, 352.470



56, 87.438, 352.793



88, 118.757, 135.554



50, 6.880, 338.898



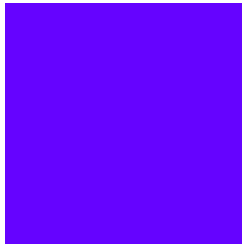
42, 70.645, 352.210



11, 33.295, 348.324

Previews

White Background



This preview shows how the CIELCh color 38, 127.593, 309.543 looks on a white background.

Color Contrast Check

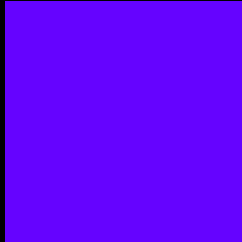
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127.593, 309.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

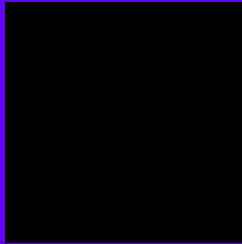
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 127.593, 309.543

Background



This preview shows how black text looks on a background with the CIELCh color 38, 127.593, 309.543.



This preview shows how white text looks on a background with the CIELCh color 38, 127.593, 309.543.

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, 127.467, 309.521

Protanopia

38, 59.066, 286.359

Deuteranopia

38, 40.190, 271.601



Tritanopia
38, 21.599, 210.275

Trichromacy



Original Color
38, 127.467, 309.521

Protanomaly
34, 92.913, 301.254

Deuteranomaly
33, 80.805, 299.280

Tritanomaly
32, 60.769, 297.498

Monochromacy



Original Color
38, 127.467, 309.521

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 59.111, 309.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 127.593, 309.543 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(101, 3, 255)` looks like.

```
.text, #text, p{  
  color:rgb(101, 3, 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(101, 3, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 3, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 127.593, 309.543 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(101, 3, 255) }
```

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

```
.border{ border-color:rgb(101, 3, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 3, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 3, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 3, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 3,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 127.593, 309.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 3, 255) }
```

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

```
.background{ background-color: rgb(101, 3,  
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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