

Converting Colors

CIELCh(38, 128.094, 309.423)

Have a look what the booklet for
CIELCh(38, 128.094, 309.423)
contains.

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Color

CIELCh(38, 127.567, 309.452)

Conversions

Conversions Part 1

Format	Color
Hex	6504FF
RGB	101, 4, 255
RGB Percent	40%, 2%, 100%
CMY	0.6054, 0.9835, 0.0000
CMYK	0.61, 0.98, 0.00, 0.00
HSL	263°, 100%, 51%
HSV	263°, 98%, 100%
XYZ	23.4998, 10.0881, 95.7397
YIQ	61.6170, -22.7590, 98.6250

Conversions

Conversions Part 2

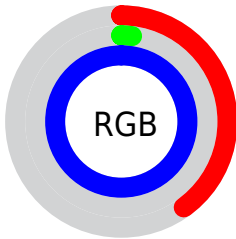
Format	Color
R_{YB}	101, 4, 255
Decimal	6620415
CIE _{Lab}	38.00, 81.06, -98.50
CIE _{LCh}	38, 127.567, 309.452
Yxy	10.0881, 0.1817, 0.0780
Android (android.graphics.Color)	4284810495 (0xFF6504FF)
YUV	61.6170, 95.3378, 34.5389
Hunter-Lab	31.7617, 76.4856, -156.4855

Details

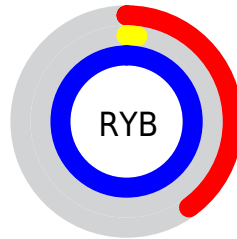
The CIELCh color **38, 127.567, 309.452** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **91, 104.771, 123.822**, and the grayscale version is **26, 0.004, 296.813**.

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, 128.143, 309.390**, and if you desaturate by 10%, it is **41, 121.410, 309.866**.

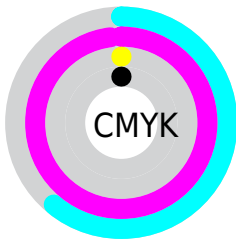
Distribution



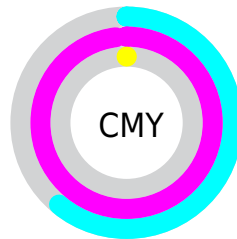
- Red (40%)
- Green (2%)
- Blue (100%)



- Red (40%)
- Yellow (2%)
- Blue (100%)



- Cyan (61%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (98%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 127.567, 309.452 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, 127.567, 309.452 by changing the saturation by 10% instead.


 38, 127.567,
309.452


 38, 127.567,
309.452


 100, 127.567,
309.452


 28, 127.567,
309.452


 58, 127.567,
309.452

 18, 127.567,
309.452


 68, 127.567,
309.452

 8, 127.567,
309.452

 78, 127.567,
309.452

 0, 127.567,
309.452

 88, 127.567,
309.452

 98, 127.567,
309.452

■ 38, 127.567,
309.452

■ 38, 127.567,
309.452

■ 38, 128.143,
309.390

■ 41, 121.410,
309.866

■ 45, 111.631,
309.794

■ 51, 98.996,
309.366

■ 57, 84.744,
308.734

■ 64, 69.805,
308.015

■ 72, 54.753,
307.285

■ 79, 39.907,
306.588

■ 86, 25.429,

305.944

■ 94, 11.388,
305.360

Harmonies

Complementary

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



38, 127.567, 309.452



91, 104.771, 123.822

Rectangle

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



38, 127.567, 309.452



38, 127.567, 359.452



38, 127.567, 129.452



38, 127.567, 179.452

Sweetspot

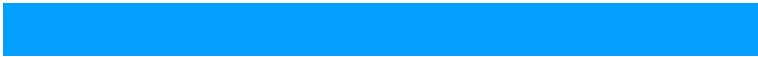
The Sweet Spot groups the original color and five complimentary colors.



38, 127.355, 309.467



78, 42.328, 306.699



63, 57.081, 270.249



38, 29.055, 306.991



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, 127.355, 309.467



38, 128.143, 309.390



56, 116.232, 323.695



49, 7.764, 305.424



27, 102.995, 309.570



5, 44.881, 309.789

Inverse Universe

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



56, 87.686, 351.733



56, 87.706, 352.217



88, 118.609, 135.549



50, 6.912, 338.591



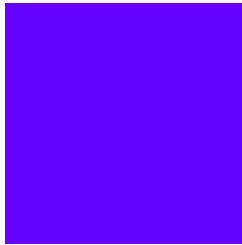
42, 70.864, 351.648



11, 33.405, 347.864

Previews

White Background



This preview shows how the CIELCh color 38, 127.567, 309.452 looks on a white background.

Color Contrast Check

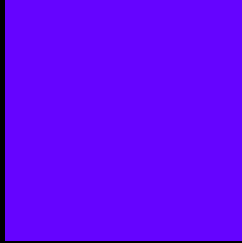
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127.567, 309.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

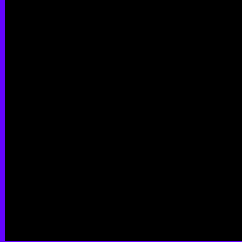
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 127.567, 309.452

Background



This preview shows how black text looks on a background with the CIELCh color 38, 127.567, 309.452.



This preview shows how white text looks on a background with the CIELCh color 38, 127.567, 309.452.

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, 127.342, 309.498

Protanopia

38, 58.501, 286.103

Deuteranopia

38, 40.190, 271.601



Tritanopia
38, 22.148, 209.881

Trichromacy



Original Color
38, 127.342, 309.498

Protanomaly
34, 92.323, 301.058

Deuteranomaly
33, 80.169, 299.024

Tritanomaly
32, 60.158, 296.602

Monochromacy



Original Color
38, 127.342, 309.498

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 58.507, 309.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 127.567, 309.452 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, 4, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 4, 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, 4, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 38, 127.567, 309.452 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, 4, 255) }
```

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

```
.border{ border-color:rgb(101, 4, 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, 4, 255) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 38, 127.567, 309.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 4, 255) }
```

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

```
.background{ background-color: rgb(101, 4,  
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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