

Converting Colors

CIELCh(38, 127.438, 309.715)

Have a look what the booklet for
CIELCh(38, 127.438, 309.715)
contains.

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Color

CIELCh(38, 127.515, 309.705)

Conversions

Conversions Part 1

Format	Color
Hex	6701FF
RGB	103, 1, 255
RGB Percent	40%, 0%, 100%
CMY	0.5970, 0.9980, 0.0008
CMYK	0.60, 1.00, 0.00, 0.00
HSL	264°, 100%, 50%
HSV	264°, 100%, 100%
XYZ	23.5900, 10.0881, 95.1430
YIQ	60.4540, -20.7420, 100.6180

Conversions

Conversions Part 2

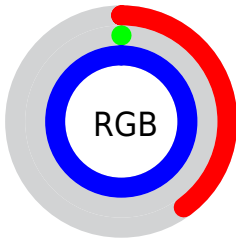
Format	Color
RYB	103, 1, 255
Decimal	6750719
CIELab	38.00, 81.46, -98.10
CIElCh	38, 127.515, 309.705
Yxy	10.0881, 0.1831, 0.0783
Android (android.graphics.Color)	4284940799 (0xFF6701FF)
YUV	60.4540, 95.9112, 37.3128
Hunter-Lab	31.7617, 76.9925, -155.3716

Details

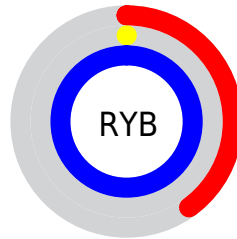
The CIELCh color **38, 127.515, 309.705** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **91, 105.780, 124.732**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 98.807, 312.817**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **38, 127.610, 309.696**, and if you desaturate by 10%, it is **41, 122.069, 310.184**.

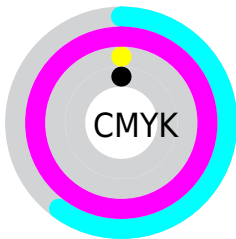
Distribution



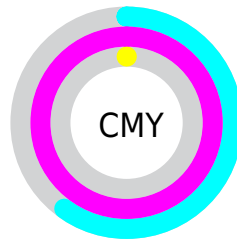
- Red (40%)
- Green (0%)
- Blue (100%)



- Red (40%)
- Yellow (0%)
- Blue (100%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 127.515, 309.705 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, 127.515, 309.705 by changing the saturation by 10% instead.


 38, 127.515,
309.705


 38, 127.515,
309.705


 100, 127.515,
309.705


 28, 127.515,
309.705


 58, 127.515,
309.705


 18, 127.515,
309.705


 68, 127.515,
309.705

 8, 127.515,
309.705

 78, 127.515,
309.705

 0, 127.515,
309.705

 88, 127.515,
309.705

 98, 127.515,
309.705

■ 38, 127.515,
309.705

■ 38, 127.515,
309.705

■ 38, 127.610,
309.696

■ 41, 122.069,
310.184

■ 45, 112.946,
310.222

■ 51, 100.787,
309.886

■ 57, 86.817,
309.322

■ 64, 72.007,
308.652

■ 71, 56.983,
307.955

■ 78, 42.103,
307.279

■ 85, 27.555,

306.648

■ 93, 13.425,
306.073

Harmonies

Complementary

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



38, 127.515, 309.705



91, 105.780, 124.732

Rectangle

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



38, 127.515, 309.705



38, 127.515, 359.705



38, 127.515, 129.705



38, 127.515, 179.705

Sweetspot

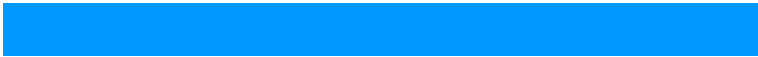
The Sweet Spot groups the original color and five complimentary colors.



38, 127.516, 309.706



78, 42.420, 307.292



62, 59.734, 273.329



38, 29.112, 307.573



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, 127.516, 309.706



38, 127.686, 309.696



56, 116.259, 324.286



49, 7.787, 306.057



28, 102.629, 309.879



5, 44.898, 310.248

Inverse Universe

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



56, 86.956, 353.712



56, 87.012, 353.775



88, 119.072, 135.659



50, 6.827, 339.422



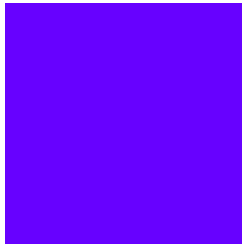
42, 70.292, 353.167



11, 33.116, 349.110

Previews

White Background



This preview shows how the CIELCh color 38, 127.515, 309.705 looks on a white background.

Color Contrast Check

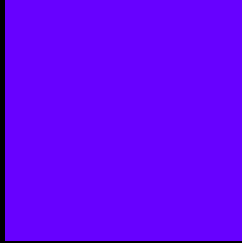
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127.515, 309.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

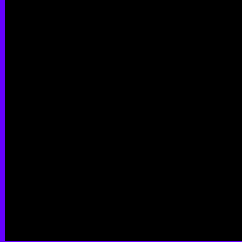
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 127.515, 309.705

Background



This preview shows how black text looks on a background with the CIELCh color 38, 127.515, 309.705.



This preview shows how white text looks on a background with the CIELCh color 38, 127.515, 309.705.

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, 127.515, 309.705

Protanopia

38, 59.066, 286.359

Deuteranopia

38, 40.707, 272.161



Tritanopia
38, 20.642, 211.005

Trichromacy



Original Color
38, 127.515, 309.705

Protanomaly
34, 92.913, 301.254

Deuteranomaly
33, 81.986, 299.601

Tritanomaly
32, 61.358, 298.583

Monochromacy



Original Color
38, 127.515, 309.705

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 59.738, 309.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 127.515, 309.705 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(103, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 1, 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(103, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 1, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 127.515, 309.705 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(103, 1, 255) }
```

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

```
.border{ border-color:rgb(103, 1, 255) }
```

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

Here you see how a box with a 4 pixel rgb(103, 1, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 1,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 127.515, 309.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 1, 255) }
```

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

```
.background{ background-color: rgb(103, 1,  
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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