

Converting Colors

CIELCh(41, 124.857, 311.681)

Have a look what the booklet for
CIELCh(41, 124.857, 311.681)
contains.

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Color

CIELCh(41, 124.770, 311.681)

Conversions

Conversions Part 1

Format	Color
Hex	8002FF
RGB	128, 2, 255
RGB Percent	50%, 1%, 100%
CMY	0.4978, 0.9916, 0.0000
CMYK	0.50, 0.99, 0.00, 0.00
HSL	270°, 100%, 50%
HSV	270°, 99%, 100%
XYZ	26.9940, 11.8645, 95.5243
YIQ	68.5160, -6.1170, 105.3950

Conversions

Conversions Part 2

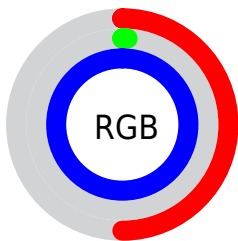
Format	Color
R_{YB}	128, 2, 255
Decimal	8389375
CIE _{Lab}	41.00, 82.97, -93.19
CIE _{LCh}	41, 124.770, 311.681
Yxy	11.8645, 0.2009, 0.0883
Android (android.graphics.Color)	4286579455 (0xFF8002FF)
YUV	68.5160, 91.9366, 52.1675
Hunter-Lab	34.4449, 79.6093, -140.3144

Details

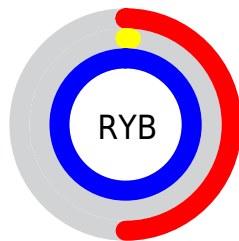
The CIELCh color **41, 124.770, 311.681** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **90, 109.076, 128.203**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 96.639, 316.170**, and **26, 107.356, 308.028** is the 20% darker color. If you saturate the color by 10%, you get **41, 125.106, 311.629**, and if you desaturate by 10%, it is **44, 119.682, 312.306**.

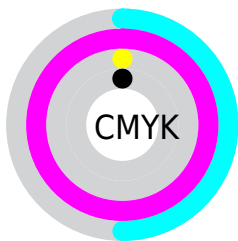
Distribution



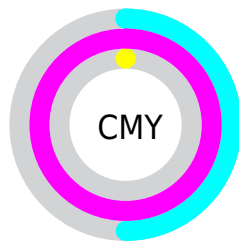
- Red (50%)
- Green (1%)
- Blue (100%)



- Red (50%)
- Yellow (1%)
- Blue (100%)



- Cyan (50%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (99%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 124.770, 311.681 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 41, 124.770, 311.681 by changing the saturation by 10% instead.


 41, 124.770,
311.681


 41, 124.770,
311.681


 100, 124.770,
311.681


 31, 124.770,
311.681


 61, 124.770,
311.681


 21, 124.770,
311.681


 71, 124.770,
311.681


 11, 124.770,
311.681


 81, 124.770,
311.681

 1, 124.770,
311.681


 91, 124.770,
311.681

 0, 124.770,
311.681


 41, 124.770,


 41, 124.770,


311.681


 41, 125.106,
311.629


311.681


 44, 119.682,
312.306

 48, 111.099,
312.518


 53, 99.540,
312.382

 59, 86.052,
312.019

 65, 71.541,
311.529

 72, 56.640,
310.984

 79, 41.743,
310.433

 86, 27.076,
309.901

■ 93, 12.762,
309.401

Harmonies

Complementary

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



41, 124.770, 311.681



90, 109.076, 128.203

Rectangle

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



41, 124.770, 311.681



41, 124.770, 1.681



41, 124.770, 131.681



41, 124.770, 181.681

Sweetspot

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



41, 124.746, 311.684



78, 42.992, 310.479



56, 70.595, 282.987



39, 29.468, 310.711



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 124.746, 311.684



41, 125.106, 311.629



60, 115.507, 327.562



49, 7.928, 309.418



30, 100.576, 311.824



6, 44.903, 312.822

Inverse Universe

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



55, 84.564, 2.391



55, 84.651, 2.748



88, 119.531, 135.993



50, 6.391, 344.299



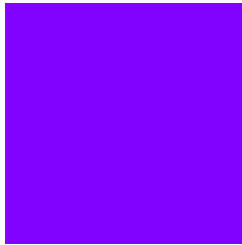
41, 68.269, 1.922



10, 31.888, 356.353

Previews

White Background



This preview shows how the CIELCh color 41, 124.770, 311.681 looks on a white background.

Color Contrast Check

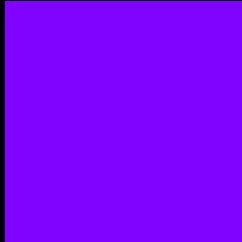
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 41, 124.770, 311.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

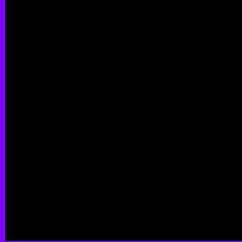
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 124.770, 311.681

Background



This preview shows how black text looks on a background with the CIELCh color 41, 124.770, 311.681.



This preview shows how white text looks on a background with the CIELCh color 41, 124.770, 311.681.

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

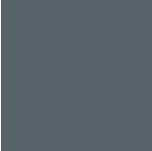
41, 124.770, 311.681

Protanopia

41, 63.069, 286.675

Deuteranopia

41, 43.272, 272.310



Tritanopia
41, 6.648, 246.065

Trichromacy



Original Color
41, 124.770, 311.681

Protanomaly
36, 94.943, 301.339

Deuteranomaly
35, 82.354, 299.444

Tritanomaly
36, 60.207, 308.945

Monochromacy



Original Color
41, 124.770, 311.681

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 58.682, 311.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 124.770, 311.681 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(128, 2, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 2, 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(128, 2, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 2, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 124.770, 311.681 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(128, 2, 255) }
```

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

```
.border{ border-color:rgb(128, 2, 255) }
```

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

Here you see how a box with a 4 pixel rgb(128, 2, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 2, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 2, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 2,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 124.770, 311.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 2, 255) }
```

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

```
.background{ background-color: rgb(128, 2,  
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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