

Converting Colors

CIELCh(41, 124.798, 311.885)

Have a look what the booklet for
CIELCh(41, 124.798, 311.885)
contains.

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Color

CIELCh(41, 124.889, 311.809)

Conversions

Conversions Part 1

Format	Color
Hex	8100FF
RGB	129, 0, 255
RGB Percent	51%, 0%, 100%
CMY	0.4945, 1.0000, 0.0004
CMYK	0.49, 1.00, 0.00, 0.00
HSL	270°, 100%, 50%
HSV	270°, 100%, 100%
XYZ	27.0648, 11.8645, 95.3794
YIQ	67.6410, -4.9710, 106.6530

Conversions

Conversions Part 2

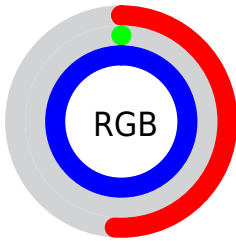
Format	Color
R_{YB}	129, 0, 255
Decimal	8454399
CIE _{Lab}	41.00, 83.26, -93.09
CIE _{LCh}	41, 124.889, 311.809
Yxy	11.8645, 0.2015, 0.0883
Android (android.graphics.Color)	4286644479 (0xFF8100FF)
YUV	67.6410, 92.3680, 53.8118
Hunter-Lab	34.4449, 79.9764, -140.0649

Details

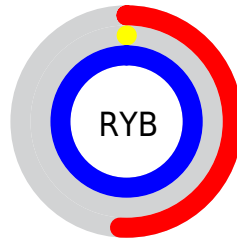
The CIELCh color **41, 124.889, 311.809** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **90, 109.604, 128.553**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 97.110, 316.412**, and **26, 107.178, 308.152** is the 20% darker color. If you saturate the color by 10%, you get **41, 124.855, 311.804**, and if you desaturate by 10%, it is **44, 120.038, 312.452**.

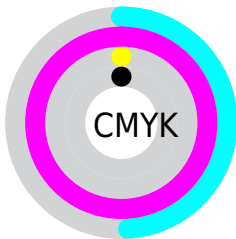
Distribution



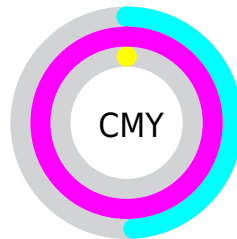
- Red (51%)
- Green (0%)
- Blue (100%)



- Red (51%)
- Yellow (0%)
- Blue (100%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 124.889, 311.809 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, 124.889, 311.809 by changing the saturation by 10% instead.


 41, 124.889,
311.809


 41, 124.889,
311.809


 100, 124.889,
311.809


 31, 124.889,
311.809


 61, 124.889,
311.809


 21, 124.889,
311.809


 71, 124.889,
311.809


 11, 124.889,
311.809


 81, 124.889,
311.809

 1, 124.889,
311.809

 91, 124.889,
311.809

 0, 124.889,
311.809

 41, 124.889,

 41, 124.889,

311.809

311.809

■ 41, 124.855,
311.804

■ 44, 120.038,
312.452

■ 48, 111.815,
312.710

■ 53, 100.533,
312.613

■ 58, 87.223,
312.278

■ 65, 72.804,
311.808

■ 71, 57.933,
311.277

■ 78, 43.028,
310.732

■ 86, 28.330,
310.204

■ 93, 13.970,
309.707

Harmonies

Complementary

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



41, 124.889, 311.809



90, 109.604, 128.553

Rectangle

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



41, 124.889, 311.809



41, 124.889, 1.809



41, 124.889, 131.809



41, 124.889, 181.809

Sweetspot

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



41, 124.855, 311.804



78, 43.043, 310.732



55, 73.639, 285.028



39, 29.499, 310.961



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, 124.855, 311.804



41, 124.895, 311.804



60, 115.530, 328.233



49, 7.940, 309.683



30, 100.410, 312.000



6, 44.895, 313.033

Inverse Universe

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



55, 84.544, 3.496



55, 84.571, 3.497



88, 119.740, 136.016



50, 6.359, 344.718



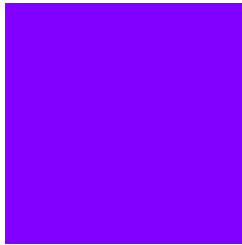
41, 68.190, 2.654



10, 31.816, 356.967

Previews

White Background



This preview shows how the CIELCh color 41, 124.889, 311.809 looks on a white background.

Color Contrast Check

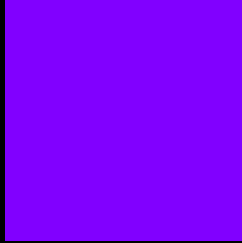
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 124.889, 311.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

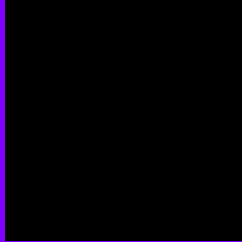
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 124.889, 311.809

Background



This preview shows how black text looks on a background with the CIELCh color 41, 124.889, 311.809.



This preview shows how white text looks on a background with the CIELCh color 41, 124.889, 311.809.

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

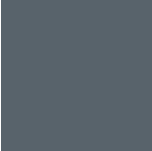
41, 124.889, 311.809

Protanopia

42, 63.000, 286.452

Deuteranopia

42, 43.785, 272.815



Tritanopia
41, 6.396, 248.558

Trichromacy



Original Color
41, 124.889, 311.809

Protanomaly
36, 95.526, 301.525

Deuteranomaly
35, 83.528, 299.750

Tritanomaly
36, 60.840, 309.444

Monochromacy



Original Color
41, 124.889, 311.809

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 59.311, 312.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 124.889, 311.809 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(129, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 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(129, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 124.889, 311.809 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(129, 0, 255) }
```

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

```
.border{ border-color:rgb(129, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 124.889, 311.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 255) }
```

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

```
.background{ background-color: rgb(129, 0,  
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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