

Converting Colors

CIELCh(41, 124.497, 312.144)

Have a look what the booklet for
CIELCh(41, 124.497, 312.144)
contains.

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Color

CIELCh(41, 124.246, 312.040)

Conversions

Conversions Part 1

Format	Color
Hex	8200FD
RGB	130, 0, 253
RGB Percent	51%, 0%, 99%
CMY	0.4886, 1.0000, 0.0061
CMYK	0.49, 1.00, 0.00, 0.01
HSL	271°, 100%, 50%
HSV	271°, 100%, 99%
XYZ	27.0510, 11.8645, 94.1675
YIQ	67.7120, -3.7330, 106.2430

Conversions

Conversions Part 2

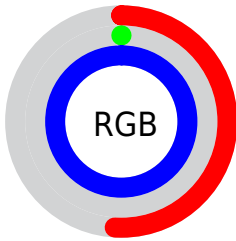
Format	Color
R_{YB}	130, 0, 253
Decimal	8519933
CIE _{Lab}	41.00, 83.20, -92.27
CIE _{LCh}	41, 124.246, 312.040
Yxy	11.8645, 0.2033, 0.0892
Android (android.graphics.Color)	4286710013 (0xFF8200FD)
YUV	67.7120, 91.3470, 54.6266
Hunter-Lab	34.4449, 79.9049, -137.9788

Details

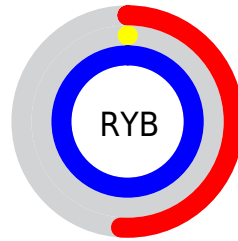
The CIELCh color **41, 124.246, 312.040** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **89, 109.440, 128.832**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 97.109, 316.586**, and **26, 106.119, 308.326** is the 20% darker color. If you saturate the color by 10%, you get **41, 124.074, 312.012**, and if you desaturate by 10%, it is **44, 119.321, 312.668**.

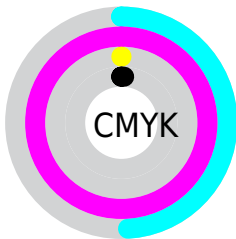
Distribution



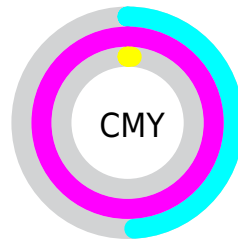
- Red (51%)
- Green (0%)
- Blue (99%)



- Red (51%)
- Yellow (0%)
- Blue (99%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (49%)
- Magenta (100%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 124.246, 312.040 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, 124.246, 312.040 by changing the saturation by 10% instead.


 41, 124.246,
312.040


 41, 124.246,
312.040


 100, 124.246,
312.040


 31, 124.246,
312.040


 61, 124.246,
312.040


 21, 124.246,
312.040


 71, 124.246,
312.040


 11, 124.246,
312.040


 81, 124.246,
312.040

 1, 124.246,
312.040

 91, 124.246,
312.040

 0, 124.246,
312.040

 41, 124.246,

 41, 124.246,

312.040

312.040

■ 41, 124.074,
312.012

■ 44, 119.321,
312.668

■ 48, 111.200,
312.938

■ 52, 100.036,
312.855

■ 58, 86.839,
312.535

■ 65, 72.518,
312.079

■ 71, 57.729,
311.559

■ 78, 42.890,
311.023

■ 85, 28.246,
310.502

■ 92, 13.931,
310.010

Harmonies

Complementary

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



41, 124.246, 312.040



89, 109.440, 128.832

Rectangle

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



41, 124.246, 312.040



41, 124.246, 2.040



41, 124.246, 132.040



41, 124.246, 182.040

Sweetspot

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



41, 124.074, 312.012



79, 43.103, 311.024



54, 73.300, 285.014



39, 29.537, 311.249



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, 124.074, 312.012



41, 124.653, 312.009



60, 115.034, 328.233



49, 7.954, 309.986



30, 100.218, 312.205



6, 44.884, 313.277

Inverse Universe

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



54, 84.111, 4.346



55, 84.500, 4.362



87, 119.226, 136.016



50, 6.321, 345.207



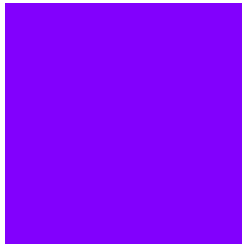
41, 68.117, 3.501



10, 31.739, 357.677

Previews

White Background



This preview shows how the CIELCh color 41, 124.246, 312.040 looks on a white background.

Color Contrast Check

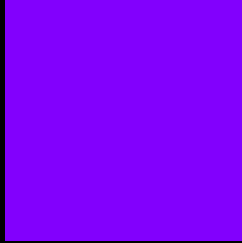
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.246, 312.040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

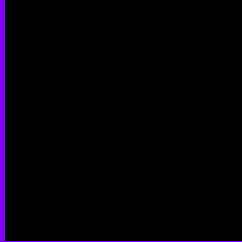
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 124.246, 312.040

Background



This preview shows how black text looks on a background with the CIELCh color 41, 124.246, 312.040.



This preview shows how white text looks on a background with the CIELCh color 41, 124.246, 312.040.

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, 123.924, 311.998

Protanopia

42, 63.000, 286.452

Deuteranopia

42, 43.785, 272.815



Tritanopia
42, 5.716, 257.367

Trichromacy



Original Color
41, 123.924, 311.998



Protanomaly
36, 95.526, 301.525



Deuteranomaly
35, 82.983, 299.687



Tritanomaly
36, 60.304, 310.128

Monochromacy



Original Color
41, 123.924, 311.998



Achromatopsia
29, 0.005, 296.813



Achromatomaly
29, 58.761, 312.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 124.246, 312.040 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(130, 0, 253)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 253)  
}
```

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(130, 0, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 124.246, 312.040 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(130, 0, 253) }
```

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

```
.border{ border-color:rgb(130, 0, 253) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 124.246, 312.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 253) }
```

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

```
.background{ background-color: rgb(130, 0,  
253) }
```

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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