

Converting Colors

CIELCh(41, 123.860, 311.633)

Have a look what the booklet for
CIELCh(41, 123.860, 311.633)
contains.

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Color

CIELCh(41, 123.886, 311.653)

Conversions

Conversions Part 1

Format	Color
Hex	8006FE
RGB	128, 6, 254
RGB Percent	50%, 2%, 100%
CMY	0.4982, 0.9770, 0.0041
CMYK	0.50, 0.98, 0.00, 0.00
HSL	270°, 99%, 51%
HSV	270°, 98%, 100%
XYZ	26.8383, 11.8645, 94.5994
YIQ	70.7500, -6.8960, 102.9920

Conversions

Conversions Part 2

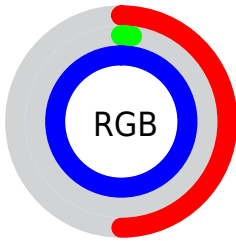
Format	Color
R_{YB}	128, 6, 254
Decimal	8390398
CIE _{Lab}	41.00, 82.34, -92.57
CIE _{LCh}	41, 123.886, 311.653
Yxy	11.8645, 0.2013, 0.0890
Android (android.graphics.Color)	4286580478 (0xFF8006FE)
YUV	70.7500, 90.3422, 50.2082
Hunter-Lab	34.4449, 78.8024, -138.7223

Details

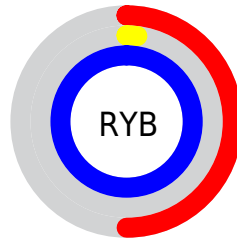
The CIELCh color **41, 123.886, 311.653** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **90, 108.023, 127.828**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 96.639, 316.170**, and **26, 106.831, 308.110** is the 20% darker color. If you saturate the color by 10%, you get **40, 124.872, 311.499**, and if you desaturate by 10%, it is **44, 118.379, 312.223**.

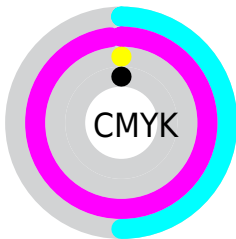
Distribution



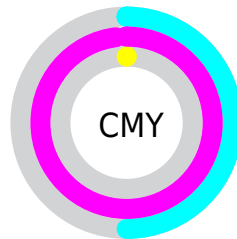
- Red (50%)
- Green (2%)
- Blue (100%)



- Red (50%)
- Yellow (2%)
- Blue (100%)



- Cyan (50%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (98%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 123.886, 311.653 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, 123.886, 311.653 by changing the saturation by 10% instead.


 41, 123.886,
311.653


 41, 123.886,
311.653


 100, 123.886,
311.653


 31, 123.886,
311.653


 61, 123.886,
311.653


 21, 123.886,
311.653


 71, 123.886,
311.653


 11, 123.886,
311.653


 81, 123.886,
311.653

 1, 123.886,
311.653

 91, 123.886,
311.653


 0, 123.886,
311.653


 41, 123.886,


 41, 123.886,


311.653


311.653


 40, 124.872,
311.499


 44, 118.379,
312.223


 48, 109.274,
312.366


 53, 97.357,
312.178

 59, 83.681,
311.780

 66, 69.109,
311.269

 73, 54.231,
310.714

 80, 39.410,
310.157

 87, 24.849,
309.625

■ 94, 10.653,
309.127

Harmonies

Complementary

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



41, 123.886, 311.653



90, 108.023, 127.828

Rectangle

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



41, 123.886, 311.653



41, 123.886, 1.653



41, 123.886, 131.653



41, 123.886, 181.653

Sweetspot

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



41, 123.887, 311.654



79, 41.473, 310.229



56, 69.321, 282.309



39, 28.597, 310.466



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, 123.887, 311.654



41, 125.266, 311.497



59, 114.897, 327.563



49, 7.918, 309.215



30, 100.704, 311.692



6, 44.908, 312.661

Inverse Universe

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



55, 84.247, 1.206



55, 84.723, 2.177



87, 118.859, 136.032



50, 6.416, 343.981



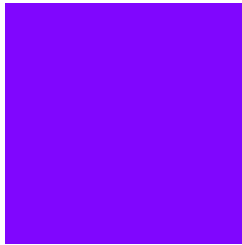
41, 68.337, 1.364



10, 31.945, 355.887

Previews

White Background



This preview shows how the CIE LCh color 41, 123.886, 311.653 looks on a white background.

Color Contrast Check

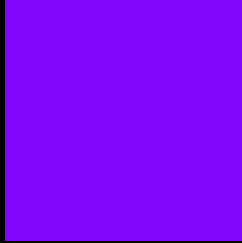
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.886, 311.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

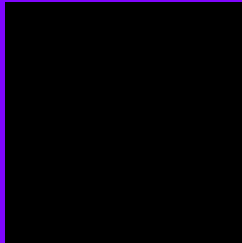
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 123.886, 311.653

Background



This preview shows how black text looks on a background with the CIELCh color 41, 123.886, 311.653.



This preview shows how white text looks on a background with the CIELCh color 41, 123.886, 311.653.

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, 123.886, 311.653

Protanopia

41, 63.069, 286.675

Tritanopia

41, 6.648, 246.065

Trichromacy



Original Color
41, 123.886, 311.653

Protanomaly
36, 93.831, 301.103

Tritanomaly
36, 59.020, 308.822

Monochromacy



Original Color
41, 123.886, 311.653

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 58.027, 312.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 123.886, 311.653 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, 6, 254)` looks like.

```
.text, #text, p{  
    color:rgb(128, 6, 254)  
}
```

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, 6, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 6, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 123.886, 311.653 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, 6, 254) }
```

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

```
.border{ border-color:rgb(128, 6, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 6, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 6, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 6, 254);  
box-shadow:4px 4px 4px 4px rgb(128, 6,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 123.886, 311.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 6, 254) }
```

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

```
.background{ background-color: rgb(128, 6,  
254) }
```

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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