

Converting Colors

CIELCh(41, 109.159, 313.618)

Have a look what the booklet for
CIELCh(41, 109.159, 313.618)
contains.

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Color

CIELCh(41, 109.159, 313.618)

Conversions

Conversions Part 1

Format	Color
Hex	8A1AE6
RGB	138, 26, 230
RGB Percent	54%, 10%, 90%
CMY	0.4586, 0.8978, 0.0979
CMYK	0.40, 0.89, 0.00, 0.10
HSL	273°, 80%, 50%
HSV	273°, 89%, 90%
XYZ	25.1486, 11.8645, 75.8598
YIQ	82.7440, 1.2680, 87.1880

Conversions

Conversions Part 2

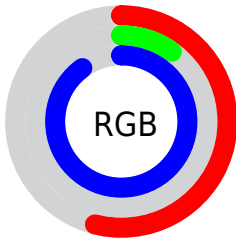
Format	Color
R _{YB}	138, 26, 230
Decimal	9050854
CIE Lab	41.00, 75.30, -79.03
CIE LCh	41, 109.159, 313.618
Yxy	11.8645, 0.2228, 0.1051
Android (android.graphics.Color)	4287240934 (0xFF8A1AE6)
YUV	82.7440, 72.5972, 48.4595
Hunter-Lab	34.4449, 70.0460, -106.4659

Details

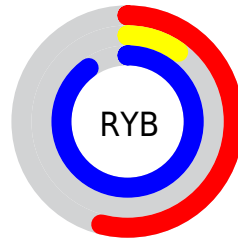
The CIELCh color **41, 109.159, 313.618** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **82, 98.195, 128.640**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 93.275, 316.936**, and **25, 94.568, 310.545** is the 20% darker color. If you saturate the color by 10%, you get **38, 113.847, 312.999**, and if you desaturate by 10%, it is **45, 101.362, 313.862**.

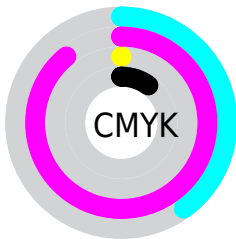
Distribution



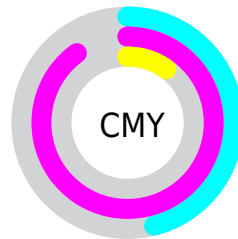
- Red (54%)
- Green (10%)
- Blue (90%)



- Red (54%)
- Yellow (10%)
- Blue (90%)



- Cyan (40%)
- Magenta (89%)
- Yellow (0%)
- Black (10%)





- Cyan (46%)
- Magenta (90%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 109.159, 313.618 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, 109.159, 313.618 by changing the saturation by 10% instead.


 41, 109.159,
313.618


 41, 109.159,
313.618


 100, 109.159,
313.618


 31, 109.159,
313.618


 61, 109.159,
313.618


 21, 109.159,
313.618


 71, 109.159,
313.618

 11, 109.159,
313.618


 81, 109.159,
313.618

 1, 109.159,
313.618

 91, 109.159,
313.618

 0, 109.159,
313.618

 41, 109.159,

 41, 109.159,

313.618

313.618

■ 38, 113.847,
312.999

■ 45, 101.362,
313.862

■ 38, 114.380,
312.911

■ 49, 90.904,
313.784

■ 54, 78.665,
313.490

■ 60, 65.428,
313.068

■ 66, 51.765,
312.584

■ 73, 38.045,
312.083

■ 79, 24.490,
311.591

■ 86, 11.225,
311.121

Harmonies

Complementary

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



41, 109.159, 313.618



82, 98.195, 128.640

Rectangle

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



41, 109.159, 313.618



41, 109.159, 3.618



41, 109.159, 133.618



41, 109.159, 183.618

Sweetspot

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



41, 109.159, 313.619



81, 38.890, 312.007



51, 63.902, 282.888



41, 26.298, 312.179



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, 109.159, 313.619



42, 123.713, 312.847



55, 101.832, 329.405



45, 7.348, 311.157



29, 94.457, 313.097



4, 35.925, 312.781

Inverse Universe

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



51, 75.959, 2.407



55, 84.442, 7.768



80, 106.638, 136.848



45, 5.668, 347.158



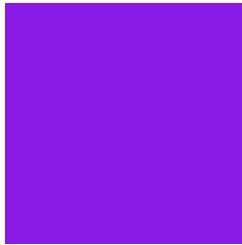
38, 64.597, 6.580



7, 27.199, 358.653

Previews

White Background



This preview shows how the CIELCh color 41, 109.159, 313.618 looks on a white background.

Color Contrast Check

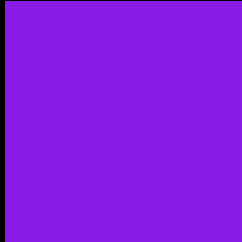
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.159, 313.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

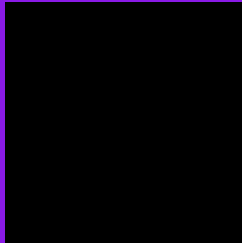
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 109.159, 313.618

Background



This preview shows how black text looks on a background with the CIELCh color 41, 109.159, 313.618.



This preview shows how white text looks on a background with the CIELCh color 41, 109.159, 313.618.

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, 109.159, 313.618

Protanopia

41, 62.512, 286.442

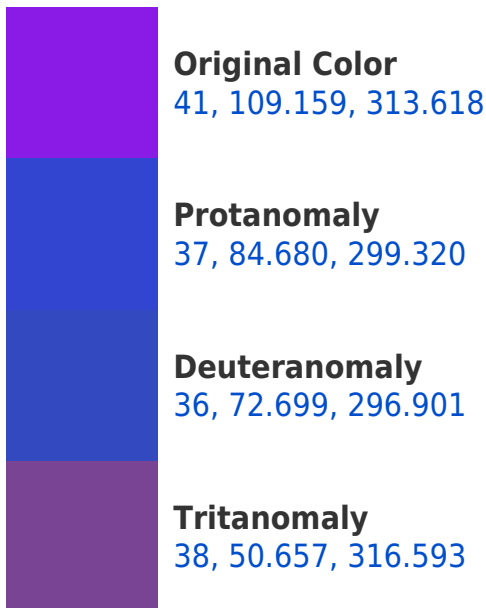
Deuteranopia

41, 44.307, 273.607

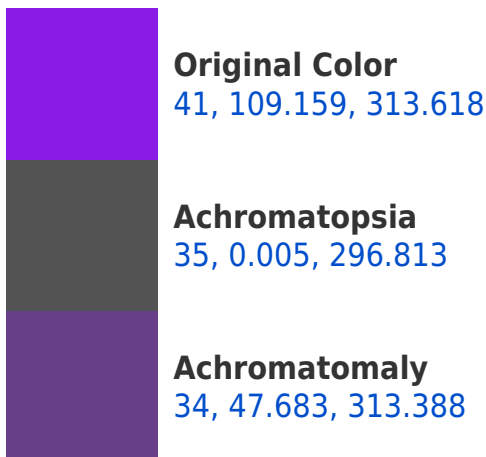


Tritanopia
41, 8.701, 351.539

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 109.159, 313.618 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(138, 26, 230)` looks like.

```
.text, #text, p{  
    color:rgb(138, 26, 230)  
}
```

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(138, 26, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 26, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 109.159, 313.618 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(138, 26, 230) }
```

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

```
.border{ border-color:rgb(138, 26, 230) }
```

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

Here you see how a box with a 4 pixel rgb(138, 26, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 26, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 26, 230);  
box-shadow:4px 4px 4px 4px rgb(138, 26,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 109.159, 313.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 26, 230) }
```

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

```
.background{ background-color: rgb(138, 26,  
230) }
```

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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