

Converting Colors

CIELCh(42, 114.567, 313.684)

Have a look what the booklet for
CIELCh(42, 114.567, 313.684)
contains.

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Color

CIELCh(42, 114.649, 313.627)

Conversions

Conversions Part 1

Format	Color
Hex	8E13F0
RGB	142, 19, 240
RGB Percent	56%, 7%, 94%
CMY	0.4433, 0.9258, 0.0590
CMYK	0.41, 0.92, 0.00, 0.06
HSL	273°, 88%, 51%
HSV	273°, 92%, 94%
XYZ	27.1035, 12.5000, 83.3950
YIQ	80.9710, 2.3670, 94.8070

Conversions

Conversions Part 2

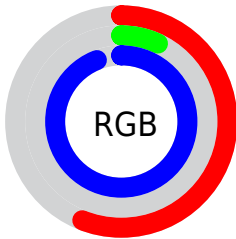
Format	Color
R _Y B	142, 19, 240
Decimal	9311216
CIE Lab	42.00, 79.10, -82.99
CIE LCh	42, 114.649, 313.627
Yxy	12.5000, 0.2204, 0.1016
Android (android.graphics.Color)	4287501296 (0xFF8E13F0)
YUV	80.9710, 78.4013, 53.5224
Hunter-Lab	35.3553, 74.9667, -115.1026

Details

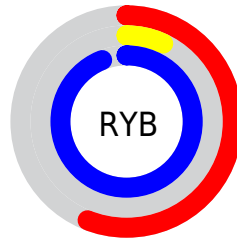
The CIELCh color **42, 114.649, 313.627** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **85, 103.406, 129.197**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 94.303, 317.806**, and **27, 98.336, 310.408** is the 20% darker color. If you saturate the color by 10%, you get **40, 117.915, 313.078**, and if you desaturate by 10%, it is **45, 107.838, 314.020**.

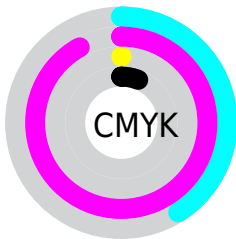
Distribution



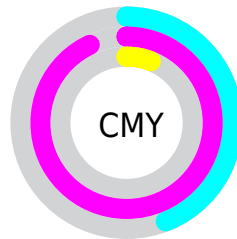
- Red (56%)
- Green (7%)
- Blue (94%)



- Red (56%)
- Yellow (7%)
- Blue (94%)



- Cyan (41%)
- Magenta (92%)
- Yellow (0%)
- Black (6%)





- Cyan (44%)
- Magenta (93%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 114.649, 313.627 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 42, 114.649, 313.627 by changing the saturation by 10% instead.


 42, 114.649,
313.627


 42, 114.649,
313.627


 100, 114.649,
313.627


 32, 114.649,
313.627


 62, 114.649,
313.627


 22, 114.649,
313.627


 72, 114.649,
313.627


 12, 114.649,
313.627

 82, 114.649,
313.627

 2, 114.649,
313.627

 92, 114.649,
313.627

 0, 114.649,
313.627

 42, 114.649,

 42, 114.649,

313.627

313.627

■ 40, 117.915,
313.078

■ 45, 107.838,
314.020

■ 50, 97.974,
314.057

■ 55, 85.918,
313.839

■ 61, 72.541,
313.463

■ 67, 58.519,
313.003

■ 73, 44.308,
312.509

■ 80, 30.191,
312.015

■ 87, 16.332,
311.540

Harmonies

Complementary

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



42, 114.649, 313.627



85, 103.406, 129.197

Rectangle

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



42, 114.649, 313.627



42, 114.649, 3.627



42, 114.649, 133.627



42, 114.649, 183.627

Sweetspot

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



42, 114.649, 313.628



80, 40.427, 312.309



51, 70.955, 285.987



40, 28.027, 312.524



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 114.649, 313.628



43, 123.505, 313.041



57, 104.854, 330.164



47, 7.628, 311.418



30, 96.314, 313.268



5, 39.833, 313.882

Inverse Universe

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



52, 79.262, 4.642



55, 84.477, 8.527



83, 111.164, 136.772



47, 5.846, 347.610



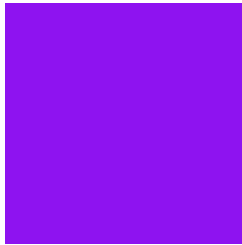
39, 65.970, 7.430



8, 29.022, 0.029

Previews

White Background



This preview shows how the CIELCh color 42, 114.649, 313.627 looks on a white background.

Color Contrast Check

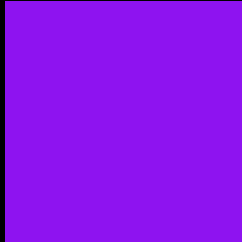
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 114.649, 313.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

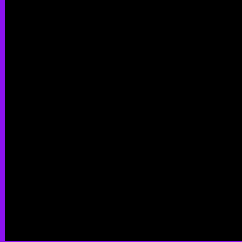
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 114.649, 313.627

Background



This preview shows how black text looks on a background with the CIELCh color 42, 114.649, 313.627.



This preview shows how white text looks on a background with the CIELCh color 42, 114.649, 313.627.

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


42, 114.649, 313.627

Protanopia

42, 64.042, 286.692

Deuteranopia

42, 45.327, 273.972



Tritanopia
42, 8.288, 349.995

Trichromacy



Original Color
42, 114.649, 313.627

Protanomaly
38, 89.027, 300.122

Deuteranomaly
37, 76.672, 297.933

Tritanomaly
39, 54.074, 316.686

Monochromacy



Original Color
42, 114.649, 313.627

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 51.927, 313.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 114.649, 313.627 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(142, 19, 240)` looks like.

```
.text, #text, p{  
    color:rgb(142, 19, 240)  
}
```

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(142, 19, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 19, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 114.649, 313.627 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(142, 19, 240) }
```

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

```
.border{ border-color:rgb(142, 19, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 19, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 19, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 19, 240);  
box-shadow:4px 4px 4px 4px rgb(142, 19,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 114.649, 313.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 19, 240) }
```

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

```
.background{ background-color: rgb(142, 19,  
240) }
```

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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