

Converting Colors

CIELCh(42, 110.729, 314.229)

Have a look what the booklet for
CIELCh(42, 110.729, 314.229)
contains.

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Color

CIELCh(42, 110.863, 314.153)

Conversions

Conversions Part 1

Format	Color
Hex	9018EA
RGB	144, 24, 234
RGB Percent	56%, 9%, 92%
CMY	0.4357, 0.9066, 0.0828
CMYK	0.38, 0.90, 0.00, 0.08
HSL	274°, 83%, 51%
HSV	274°, 90%, 92%
XYZ	26.6420, 12.5000, 78.7717
YIQ	83.8200, 4.1100, 90.7500

Conversions

Conversions Part 2

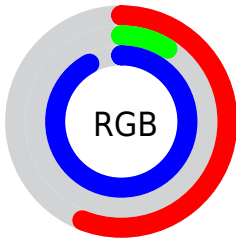
Format	Color
RYB	144, 24, 234
Decimal	9443562
CIELab	42.00, 77.22, -79.54
CIELCh	42, 110.863, 314.153
Yxy	12.5000, 0.2259, 0.1060
Android (android.graphics.Color)	4287633642 (0xFF9018EA)
YUV	83.8200, 74.0387, 52.7779
Hunter-Lab	35.3553, 72.6366, -107.3493

Details

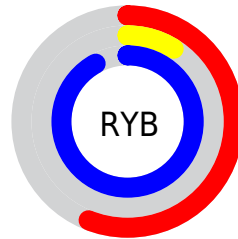
The CIELCh color **42, 110.863, 314.153** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **83, 100.743, 129.415**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 93.363, 318.050**, and **27, 95.601, 311.129** is the 20% darker color. If you saturate the color by 10%, you get **40, 115.193, 313.493**, and if you desaturate by 10%, it is **45, 103.525, 314.465**.

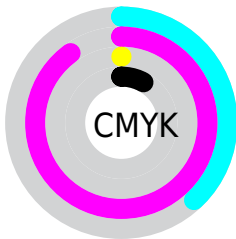
Distribution



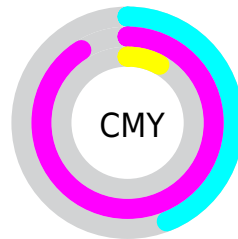
- Red (56%)
- Green (9%)
- Blue (92%)



- Red (56%)
- Yellow (9%)
- Blue (92%)



- Cyan (38%)
- Magenta (90%)
- Yellow (0%)
- Black (8%)





- Cyan (44%)
- Magenta (91%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 110.863, 314.153 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, 110.863, 314.153 by changing the saturation by 10% instead.


 42, 110.863,
314.153


 42, 110.863,
314.153


 100, 110.863,
314.153


 32, 110.863,
314.153


 62, 110.863,
314.153


 22, 110.863,
314.153


 72, 110.863,
314.153


 12, 110.863,
314.153


 82, 110.863,
314.153

 2, 110.863,
314.153

 92, 110.863,
314.153

 0, 110.863,
314.153

 42, 110.863,

 42, 110.863,

314.153

314.153

■ 40, 115.193,
313.493

■ 45, 103.525,
314.465

■ 40, 115.265,
313.480

■ 50, 93.379,
314.450

■ 55, 81.276,
314.206

■ 61, 68.024,
313.823

■ 67, 54.232,
313.366

■ 73, 40.308,
312.882

■ 80, 26.505,
312.400

■ 86, 12.967,
311.936

Harmonies

Complementary

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



42, 110.863, 314.153



83, 100.743, 129.415

Rectangle

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



42, 110.863, 314.153



42, 110.863, 4.153



42, 110.863, 134.153



42, 110.863, 184.153

Sweetspot

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



42, 110.863, 314.153



81, 39.048, 312.751



50, 69.774, 286.365



41, 26.399, 312.918



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, 110.863, 314.153



43, 123.103, 313.428



55, 100.984, 330.789



46, 7.520, 311.920



30, 95.007, 313.664



5, 38.025, 314.029

Inverse Universe

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



51, 77.073, 4.931



54, 84.596, 10.009



81, 107.353, 137.209



46, 5.690, 348.494



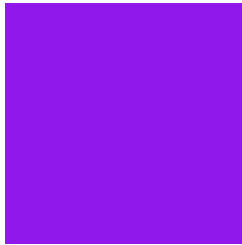
39, 65.338, 8.827



8, 28.085, 0.763

Previews

White Background



This preview shows how the CIELCh color 42, 110.863, 314.153 looks on a white background.

Color Contrast Check

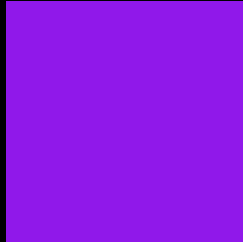
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 110.863, 314.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

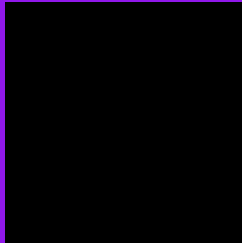
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 110.863, 314.153

Background



This preview shows how black text looks on a background with the CIELCh color 42, 110.863, 314.153.



This preview shows how white text looks on a background with the CIELCh color 42, 110.863, 314.153.

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, 110.863, 314.153

Protanopia

42, 64.598, 286.917

Deuteranopia

42, 45.846, 274.435



Tritanopia
42, 11.002, 358.511

Trichromacy



Original Color
42, 110.863, 314.153



Protanomaly
38, 86.718, 299.563



Deuteranomaly
37, 74.259, 297.188



Tritanomaly
39, 52.165, 318.794

Monochromacy



Original Color
42, 110.863, 314.153



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 49.471, 313.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 110.863, 314.153 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(144, 24, 234)` looks like.

```
.text, #text, p{  
    color:rgb(144, 24, 234)  
}
```

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(144, 24, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 24, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 110.863, 314.153 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(144, 24, 234) }
```

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

```
.border{ border-color:rgb(144, 24, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 24, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 24, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 24, 234);  
box-shadow:4px 4px 4px 4px rgb(144, 24,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 110.863, 314.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 24, 234) }
```

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

```
.background{ background-color: rgb(144, 24,  
234) }
```

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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