

Converting Colors

CIELCh(42, 111.399, 316.168)

Have a look what the booklet for
CIELCh(42, 111.399, 316.168)
contains.

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Color

CIELCh(42, 111.487, 316.132)

Conversions

Conversions Part 1

Format	Color
Hex	9901E6
RGB	153, 1, 230
RGB Percent	60%, 0%, 90%
CMY	0.4001, 0.9965, 0.0982
CMYK	0.33, 1.00, 0.00, 0.10
HSL	280°, 99%, 45%
HSV	280°, 100%, 90%
XYZ	27.4190, 12.5000, 75.8063
YIQ	72.5540, 17.0830, 103.4430

Conversions

Conversions Part 2

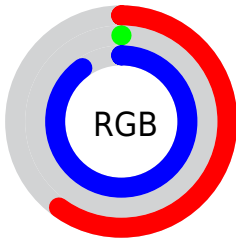
Format	Color
RYB	153, 1, 230
Decimal	10027494
CIELab	42.00, 80.38, -77.26
CIElCh	42, 111.487, 316.132
Yxy	12.5000, 0.2369, 0.1080
Android (android.graphics.Color)	4288217574 (0xFF9901E6)
YUV	72.5540, 77.6209, 70.5511
Hunter-Lab	35.3553, 76.5594, -102.3765

Details

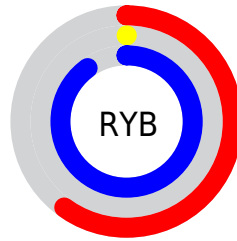
The CIELCh color **42, 111.487, 316.132** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **81, 105.911, 132.605**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 96.332, 320.044**, and **28, 92.611, 312.699** is the 20% darker color. If you saturate the color by 10%, you get **42, 111.616, 316.107**, and if you desaturate by 10%, it is **44, 107.723, 316.772**.

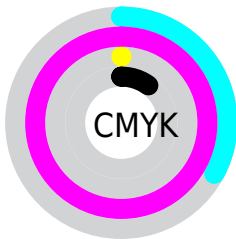
Distribution



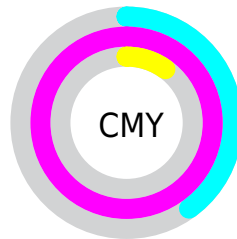
- Red (60%)
- Green (0%)
- Blue (90%)



- Red (60%)
- Yellow (0%)
- Blue (90%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (40%)
- Magenta (100%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 111.487, 316.132 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, 111.487, 316.132 by changing the saturation by 10% instead.


 42, 111.487,
316.132


 42, 111.487,
316.132


 100, 111.487,
316.132


 32, 111.487,
316.132


 62, 111.487,
316.132


 22, 111.487,
316.132


 72, 111.487,
316.132


 12, 111.487,
316.132


 82, 111.487,
316.132

 2, 111.487,
316.132

 92, 111.487,
316.132

 0, 111.487,
316.132

 42, 111.487,

 42, 111.487,

316.132

316.132

■ 42, 111.616,
316.107

■ 44, 107.723,
316.772

■ 47, 101.107,
317.110

■ 51, 91.716,
317.158

■ 56, 80.254,
316.992

■ 61, 67.464,
316.684

■ 67, 53.955,
316.291

■ 73, 40.165,
315.856

■ 79, 26.386,
315.409

■ 85, 12.795,
314.965

Harmonies

Complementary

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



42, 111.487, 316.132



81, 105.911, 132.605

Rectangle

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



42, 111.487, 316.132



42, 111.487, 6.132



42, 111.487, 136.132



42, 111.487, 186.132

Sweetspot

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



42, 111.487, 316.132



80, 44.267, 315.881



41, 89.007, 296.044



40, 30.269, 316.068



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, 111.487, 316.132



47, 120.732, 316.049



53, 94.872, 335.349



45, 7.548, 314.958



32, 92.244, 316.274



5, 36.569, 316.858

Inverse Universe

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



49, 79.998, 18.447



54, 86.789, 19.009



80, 106.893, 137.470



45, 5.294, 354.342



38, 66.020, 17.629



7, 26.710, 6.405

Previews

White Background



This preview shows how the CIELCh color 42, 111.487, 316.132 looks on a white background.

Color Contrast Check

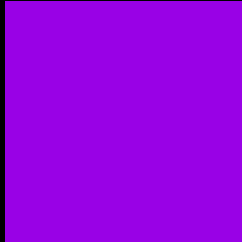
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.487, 316.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

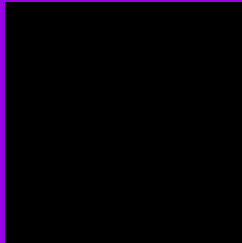
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 111.487, 316.132

Background



This preview shows how black text looks on a background with the CIELCh color 42, 111.487, 316.132.



This preview shows how white text looks on a background with the CIELCh color 42, 111.487, 316.132.

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, 111.487, 316.132

Protanopia

43, 65.082, 286.923

Deuteranopia

43, 46.355, 274.603



Tritanopia
43, 17.307, 8.010

Trichromacy



Original Color
42, 111.487, 316.132

Protanomaly
36, 91.468, 301.568

Deuteranomaly
35, 79.305, 299.796

Tritanomaly
39, 56.972, 324.888

Monochromacy



Original Color
42, 111.487, 316.132

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 53.894, 317.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 111.487, 316.132 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(153, 1, 230)` looks like.

```
.text, #text, p{  
    color:rgb(153, 1, 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(153, 1, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 1, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 111.487, 316.132 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(153, 1, 230) }
```

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

```
.border{ border-color:rgb(153, 1, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 1, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 1, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 1, 230);  
box-shadow:4px 4px 4px 4px rgb(153, 1,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 111.487, 316.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 1, 230) }
```

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

```
.background{ background-color: rgb(153, 1,  
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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