

Converting Colors

CIELCh(48, 114.240, 315.866)

Have a look what the booklet for
CIELCh(48, 114.240, 315.866)
contains.

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Color

CIELCh(48, 114.414, 315.861)

Conversions

Conversions Part 1

Format	Color
Hex	AB22FC
RGB	171, 34, 252
RGB Percent	67%, 13%, 99%
CMY	0.3299, 0.8675, 0.0123
CMYK	0.32, 0.87, 0.00, 0.01
HSL	278°, 97%, 56%
HSV	278°, 87%, 99%
XYZ	34.8798, 16.7945, 93.3873
YIQ	99.8150, 11.6740, 96.8420

Conversions

Conversions Part 2

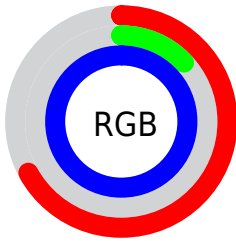
Format	Color
R _Y B	171, 34, 252
Decimal	11215612
CIE Lab	48.00, 82.11, -79.68
CIE LCh	48, 114.414, 315.861
Yxy	16.7945, 0.2404, 0.1158
Android (android.graphics.Color)	4289405692 (0xFFAB22FC)
YUV	99.8150, 75.0272, 62.4292
Hunter-Lab	40.9810, 80.2082, -106.4229

Details

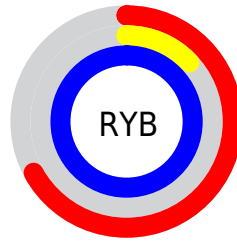
The CIELCh color **48, 114.414, 315.861** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **89, 106.655, 130.772**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 89.418, 322.810**, and **32, 100.161, 313.491** is the 20% darker color. If you saturate the color by 10%, you get **45, 119.299, 315.259**, and if you desaturate by 10%, it is **52, 106.156, 316.109**.

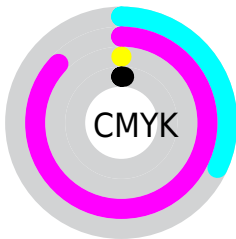
Distribution



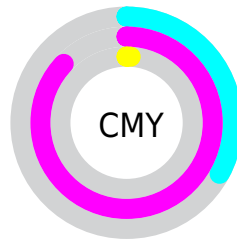
- Red (67%)
- Green (13%)
- Blue (99%)



- Red (67%)
- Yellow (13%)
- Blue (99%)



- Cyan (32%)
- Magenta (87%)
- Yellow (0%)
- Black (1%)





- Cyan (33%)
- Magenta (87%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 114.414, 315.861 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 48, 114.414, 315.861 by changing the saturation by 10% instead.


 48, 114.414,
315.861


 48, 114.414,
315.861


 100, 114.414,
315.861


 38, 114.414,
315.861


 68, 114.414,
315.861


 28, 114.414,
315.861


 78, 114.414,
315.861


 18, 114.414,
315.861

 88, 114.414,
315.861

 8, 114.414,
315.861

 98, 114.414,
315.861

 0, 114.414,
315.861

 48, 114.414,

 48, 114.414,

315.861

■ 45, 119.299,
315.259

■ 45, 120.471,
315.006

315.861

■ 52, 106.156,
316.109

■ 56, 95.106,
316.072

■ 62, 82.115,
315.835

■ 68, 67.975,
315.473

■ 74, 53.286,
315.044

■ 81, 38.460,
314.588

■ 88, 23.754,
314.131

■ 94, 9.319, 313.682

100, 1.578,
110.011

Harmonies

Complementary

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



48, 114.414, 315.861



89, 106.655, 130.772

Rectangle

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



48, 114.414, 315.861



48, 114.414, 5.861



48, 114.414, 135.861



48, 114.414, 185.861

Sweetspot

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



48, 114.413, 315.861



82, 37.980, 314.562



52, 77.817, 289.092



41, 25.819, 314.722



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 114.413, 315.861



45, 121.612, 314.999



59, 102.085, 332.845



48, 8.026, 313.813



33, 96.841, 315.194



7, 43.158, 316.450

Inverse Universe

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



55, 80.471, 8.741



54, 85.658, 15.619



87, 109.437, 138.425



49, 5.791, 352.035



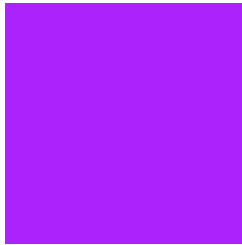
40, 68.078, 14.516



9, 30.456, 6.774

Previews

White Background



This preview shows how the CIELCh color 48, 114.414, 315.861 looks on a white background.

Color Contrast Check

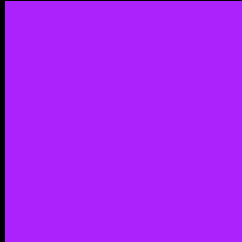
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 114.414, 315.861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

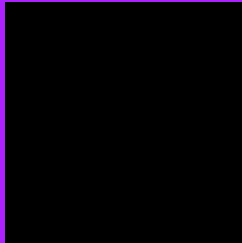
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 114.414, 315.861

Background



This preview shows how black text looks on a background with the CIELCh color 48, 114.414, 315.861.

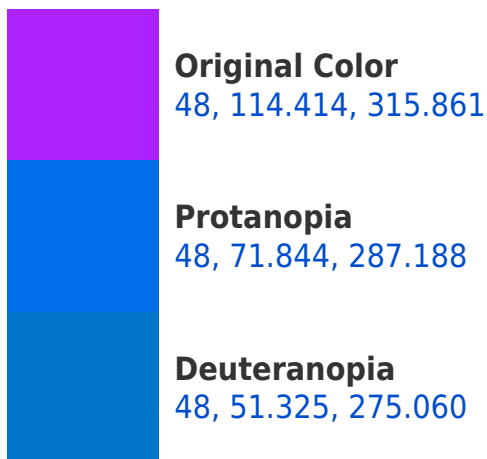


This preview shows how white text looks on a background with the CIELCh color 48, 114.414, 315.861.

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



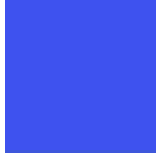


Tritanopia
48, 18.694, 7.478

Trichromacy



Original Color
48, 114.414, 315.861



Protanomaly
43, 92.479, 299.186



Deuteranomaly
43, 78.504, 296.553



Tritanomaly
45, 55.349, 324.240

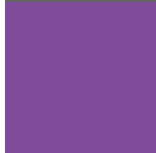
Monochromacy



Original Color
48, 114.414, 315.861



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 50.103, 315.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 114.414, 315.861 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(171, 34, 252)` looks like.

```
.text, #text, p{  
    color:rgb(171, 34, 252)  
}
```

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(171, 34, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 34, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 114.414, 315.861 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(171, 34, 252) }
```

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

```
.border{ border-color:rgb(171, 34, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 34, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 34, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 34, 252);  
box-shadow:4px 4px 4px 4px rgb(171, 34,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 114.414, 315.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 34, 252) }
```

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

```
.background{ background-color: rgb(171, 34,  
252) }
```

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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