

Converting Colors

CIELCh(46, 114.680, 312.684)

Have a look what the booklet for
CIELCh(46, 114.680, 312.684)
contains.

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Color

CIELCh(46, 114.755, 312.644)

Conversions

Conversions Part 1

Format	Color
Hex	952AFE
RGB	149, 42, 254
RGB Percent	58%, 16%, 100%
CMY	0.4146, 0.8340, 0.0029
CMYK	0.41, 0.83, 0.00, 0.00
HSL	270°, 99%, 58%
HSV	270°, 83%, 100%
XYZ	31.2187, 15.2687, 95.2944
YIQ	98.1610, -4.2800, 88.6160

Conversions

Conversions Part 2

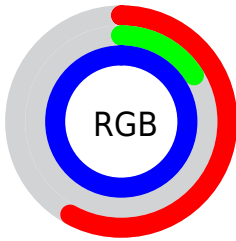
Format	Color
R_{YB}	149, 42, 254
Decimal	9775870
CIE _{Lab}	46.00, 77.74, -84.41
CIE _{LCh}	46, 114.755, 312.644
Yxy	15.2687, 0.2202, 0.1077
Android (android.graphics.Color)	4287965950 (0xFF952AFE)
YUV	98.1610, 76.8286, 44.5858
Hunter-Lab	39.0751, 74.2292, -117.2408

Details

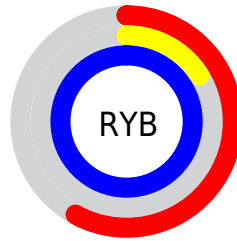
The CIELCh color **46, 114.755, 312.644** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **91, 101.514, 126.868**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 87.462, 318.434**, and **29, 103.868, 310.451** is the 20% darker color. If you saturate the color by 10%, you get **43, 121.762, 312.246**, and if you desaturate by 10%, it is **51, 104.397, 312.651**.

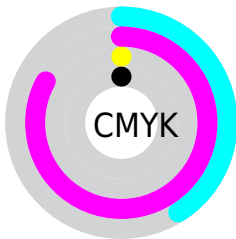
Distribution



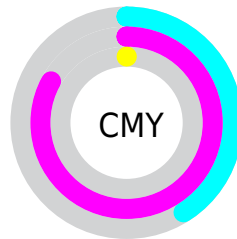
- Red (58%)
- Green (16%)
- Blue (100%)



- Red (58%)
- Yellow (16%)
- Blue (100%)



- Cyan (41%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (83%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 114.755, 312.644 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 46, 114.755, 312.644 by changing the saturation by 10% instead.


 46, 114.755,
312.644


 46, 114.755,
312.644


 100, 114.755,
312.644


 36, 114.755,
312.644


 66, 114.755,
312.644


 26, 114.755,
312.644


 76, 114.755,
312.644


 16, 114.755,
312.644


 86, 114.755,
312.644

 6, 114.755,
312.644

 96, 114.755,
312.644

 0, 114.755,
312.644

 46, 114.755,

 46, 114.755,

312.644

312.644

■ 43, 121.762,
312.246

■ 51, 104.397,
312.651

■ 41, 124.649,
311.783

■ 56, 91.670,
312.382

■ 62, 77.558,
311.946

■ 69, 62.809,
311.427

■ 76, 47.911,
310.881

■ 83, 33.155,
310.345

■ 90, 18.703,
309.836

■ 97, 4.636, 309.347

100, 0.359,
109.935

Harmonies

Complementary

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



46, 114.755, 312.644



91, 101.514, 126.868

Rectangle

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



46, 114.755, 312.644



46, 114.755, 2.644



46, 114.755, 132.644



46, 114.755, 182.644

Sweetspot

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



46, 114.755, 312.645



82, 35.650, 310.432



61, 61.331, 277.425



41, 24.426, 310.619



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 114.755, 312.645



41, 124.922, 311.781



62, 110.372, 328.085



49, 7.938, 309.649



30, 100.431, 311.977



6, 44.896, 313.006

Inverse Universe

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



57, 81.160, 356.912



55, 84.580, 3.400



88, 113.576, 136.767



50, 6.363, 344.664



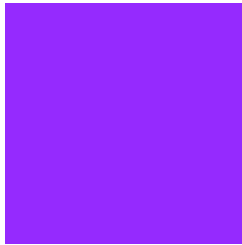
41, 68.200, 2.560



10, 31.825, 356.887

Previews

White Background



This preview shows how the CIELCh color 46, 114.755, 312.644 looks on a white background.

Color Contrast Check

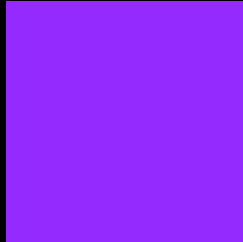
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 114.755, 312.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

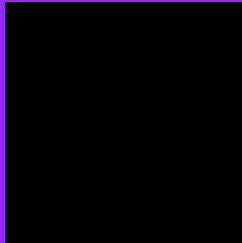
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 114.755, 312.644

Background



This preview shows how black text looks on a background with the CIELCh color 46, 114.755, 312.644.

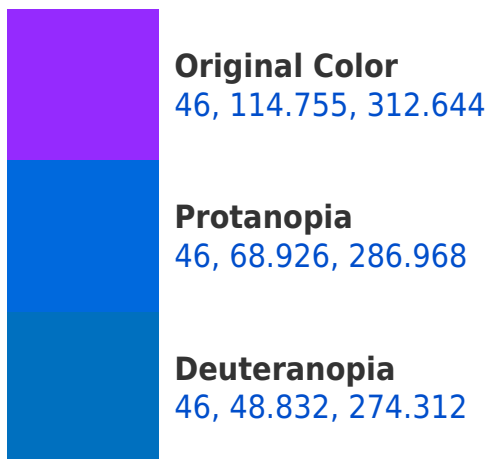


This preview shows how white text looks on a background with the CIELCh color 46, 114.755, 312.644.

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
46, 7.151, 338.671

Trichromacy



Original Color
46, 114.755, 312.644



Protanomaly
42, 89.442, 298.205



Deuteranomaly
42, 75.882, 295.259



Tritanomaly
43, 51.161, 313.829

Monochromacy



Original Color
46, 114.755, 312.644



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 48.242, 311.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 114.755, 312.644 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(149, 42, 254)` looks like.

```
.text, #text, p{  
    color:rgb(149, 42, 254)  
}
```

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(149, 42, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 42, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 114.755, 312.644 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(149, 42, 254) }
```

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

```
.border{ border-color:rgb(149, 42, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 42, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 42, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 42, 254);  
box-shadow:4px 4px 4px 4px rgb(149, 42,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 114.755, 312.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 42, 254) }
```

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

```
.background{ background-color: rgb(149, 42,  
254) }
```

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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