

Converting Colors

CIELCh(46, 119.538, 315.131)

Have a look what the booklet for
CIELCh(46, 119.538, 315.131)
contains.

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Color

CIELCh(46, 119.382, 315.176)

Conversions

Conversions Part 1

Format	Color
Hex	A30FFE
RGB	163, 15, 254
RGB Percent	64%, 6%, 100%
CMY	0.3610, 0.9418, 0.0042
CMYK	0.36, 0.94, 0.00, 0.00
HSL	277°, 99%, 53%
HSV	277°, 94%, 100%
XYZ	33.1395, 15.2687, 94.9138
YIQ	86.4980, 11.4890, 105.7050

Conversions

Conversions Part 2

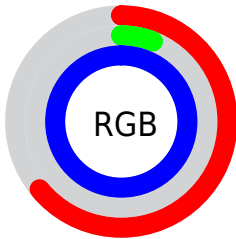
Format	Color
RYB	163, 15, 254
Decimal	10686462
CIELab	46.00, 84.67, -84.16
CIElCh	46, 119.382, 315.176
Yxy	15.2687, 0.2312, 0.1065
Android (android.graphics.Color)	4288876542 (0xFFA30FFE)
YUV	86.4980, 82.5785, 67.0923
Hunter-Lab	39.0751, 83.0037, -116.6633

Details

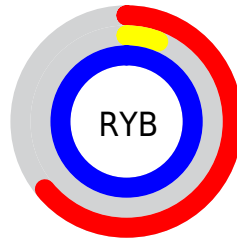
The CIELCh color **46, 119.382, 315.176** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **89, 110.958, 131.144**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 93.403, 321.793**, and **31, 102.069, 312.205** is the 20% darker color. If you saturate the color by 10%, you get **45, 121.457, 314.740**, and if you desaturate by 10%, it is **49, 113.568, 315.691**.

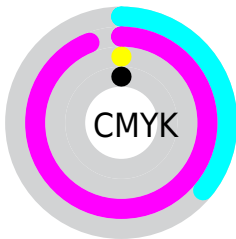
Distribution



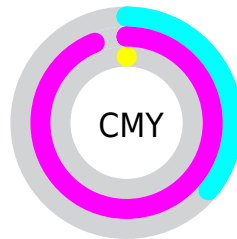
- Red (64%)
- Green (6%)
- Blue (100%)



- Red (64%)
- Yellow (6%)
- Blue (100%)



- Cyan (36%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (94%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 119.382, 315.176 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, 119.382, 315.176 by changing the saturation by 10% instead.


 46, 119.382,
315.176


 46, 119.382,
315.176


 100, 119.382,
315.176


 36, 119.382,
315.176


 66, 119.382,
315.176


 26, 119.382,
315.176


 76, 119.382,
315.176


 16, 119.382,
315.176


 86, 119.382,
315.176

 6, 119.382,
315.176

 96, 119.382,
315.176

 0, 119.382,
315.176

 46, 119.382,

 46, 119.382,

315.176

■ 45, 121.457,
314.740

315.176

■ 49, 113.568,
315.691

■ 53, 104.437,
315.858

■ 58, 92.702,
315.758

■ 64, 79.238,
315.477

■ 70, 64.802,
315.088

■ 76, 49.950,
314.644

■ 83, 35.049,
314.181

■ 90, 20.323,
313.724

Harmonies

Complementary

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



46, 119.382, 315.176



89, 110.958, 131.144

Rectangle

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



46, 119.382, 315.176



46, 119.382, 5.176



46, 119.382, 135.176



46, 119.382, 185.176

Sweetspot

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



46, 119.382, 315.176



81, 40.899, 314.360



49, 85.810, 292.113



40, 28.328, 314.559



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, 119.382, 315.176



45, 121.845, 314.738



59, 104.465, 333.275



49, 8.143, 313.515



33, 98.005, 314.924



7, 44.581, 316.216

Inverse Universe

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



54, 83.551, 11.618



54, 85.424, 14.731



88, 114.479, 137.482



50, 5.919, 351.456



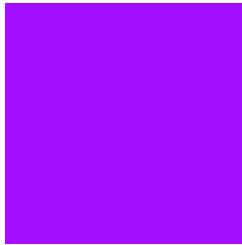
41, 68.610, 13.694



10, 31.282, 6.448

Previews

White Background



This preview shows how the CIELCh color 46, 119.382, 315.176 looks on a white background.

Color Contrast Check

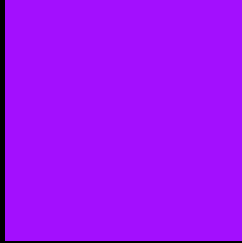
Large Text (above 18pt) WCAG AA ✓ Pass

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, 119.382, 315.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

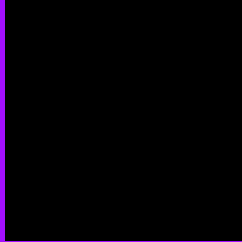
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 119.382, 315.176

Background



This preview shows how black text looks on a background with the CIELCh color 46, 119.382, 315.176.



This preview shows how white text looks on a background with the CIELCh color 46, 119.382, 315.176.

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


46, 119.382, 315.176

Protanopia

46, 69.403, 286.973

Deuteranopia

46, 49.344, 274.732



Tritanopia
46, 15.329, 5.903

Trichromacy



Original Color
46, 119.382, 315.176



Protanomaly
41, 95.364, 300.533



Deuteranomaly
40, 82.716, 298.576



Tritanomaly
42, 58.301, 322.192

Monochromacy



Original Color
46, 119.382, 315.176



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 55.367, 315.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 119.382, 315.176 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(163, 15, 254)` looks like.

```
.text, #text, p{  
    color:rgb(163, 15, 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(163, 15, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 15, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 119.382, 315.176 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(163, 15, 254) }
```

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

```
.border{ border-color:rgb(163, 15, 254) }
```

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

Here you see how a box with a 4 pixel rgb(163, 15, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 15, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 15, 254);  
box-shadow:4px 4px 4px 4px rgb(163, 15,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 119.382, 315.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 15, 254) }
```

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

```
.background{ background-color: rgb(163, 15,  
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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