

Converting Colors

CIELCh(46, 112.551, 311.390)

Have a look what the booklet for
CIELCh(46, 112.551, 311.390)
contains.

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Color

CIELCh(46, 112.476, 311.475)

Conversions

Conversions Part 1

Format	Color
Hex	8F32FE
RGB	143, 50, 254
RGB Percent	56%, 20%, 100%
CMY	0.4393, 0.8041, 0.0040
CMYK	0.44, 0.80, 0.00, 0.00
HSL	267°, 99%, 60%
HSV	267°, 80%, 100%
XYZ	30.3453, 15.2687, 95.0867
YIQ	101.0630, -10.0560, 83.1600

Conversions

Conversions Part 2

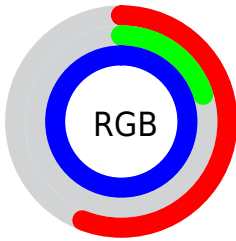
Format	Color
R _Y B	143, 50, 254
Decimal	9384702
CIE Lab	46.00, 74.49, -84.27
CIE LCh	46, 112.476, 311.475
Yxy	15.2687, 0.2157, 0.1085
Android (android.graphics.Color)	4287574782 (0xFF8F32FE)
YUV	101.0630, 75.3979, 36.7787
Hunter-Lab	39.0751, 70.2394, -116.9256

Details

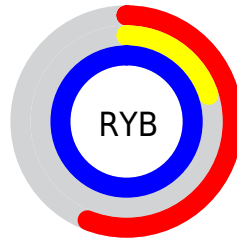
The CIELCh color **46, 112.476, 311.475** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **91, 97.807, 124.979**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 84.571, 316.827**, and **29, 104.526, 309.878** is the 20% darker color. If you saturate the color by 10%, you get **42, 120.972, 311.292**, and if you desaturate by 10%, it is **51, 100.901, 311.288**.

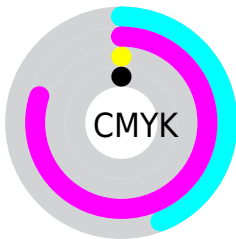
Distribution



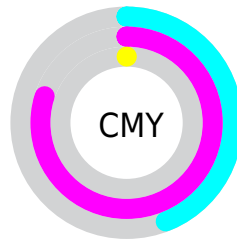
- Red (56%)
- Green (20%)
- Blue (100%)



- Red (56%)
- Yellow (20%)
- Blue (100%)



- Cyan (44%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 112.476, 311.475 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, 112.476, 311.475 by changing the saturation by 10% instead.


 46, 112.476,
311.475


 46, 112.476,
311.475


 100, 112.476,
311.475


 36, 112.476,
311.475


 66, 112.476,
311.475


 26, 112.476,
311.475


 76, 112.476,
311.475


 16, 112.476,
311.475


 86, 112.476,
311.475

 6, 112.476,
311.475

 96, 112.476,
311.475

 0, 112.476,
311.475

 46, 112.476,

 46, 112.476,

311.475

311.475

■ 42, 120.972,
311.292

■ 51, 100.901,
311.288

■ 39, 125.864,
310.724

■ 57, 87.364,
310.861

■ 64, 72.820,
310.307

■ 71, 57.922,
309.704

■ 78, 43.066,
309.102

■ 85, 28.472,
308.528

■ 92, 14.251,
307.997

■ 99, 0.454, 307.256

100, 0.512,
109.988

Harmonies

Complementary

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



46, 112.476, 311.475



91, 97.807, 124.979

Rectangle

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



46, 112.476, 311.475



46, 112.476, 1.475



46, 112.476, 131.475



46, 112.476, 181.475

Sweetspot

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



46, 112.476, 311.476



82, 33.906, 308.735



65, 54.246, 270.336



41, 23.407, 308.940



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, 112.476, 311.476



41, 124.482, 310.979



60, 108.490, 326.315



49, 7.863, 307.955



29, 101.487, 310.914



6, 44.922, 311.675

Inverse Universe

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



58, 81.326, 352.242



56, 85.178, 357.204



88, 110.694, 136.511



50, 6.576, 342.076



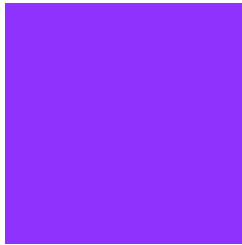
41, 68.925, 357.977



11, 32.353, 353.074

Previews

White Background



This preview shows how the CIELCh color 46, 112.476, 311.475 looks on a white background.

Color Contrast Check

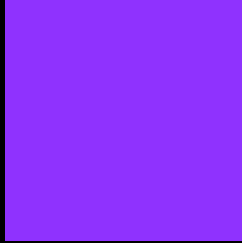
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.476, 311.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

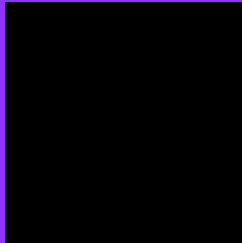
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 112.476, 311.475

Background



This preview shows how black text looks on a background with the CIELCh color 46, 112.476, 311.475.

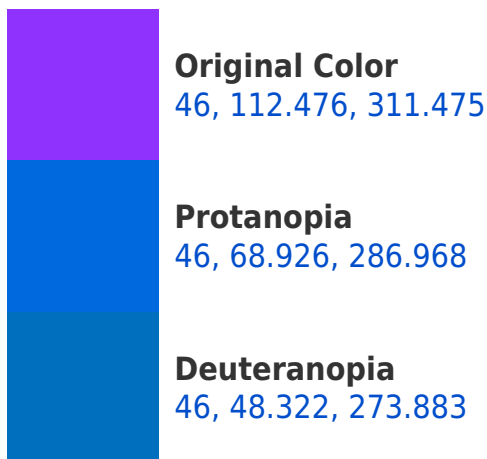


This preview shows how white text looks on a background with the CIELCh color 46, 112.476, 311.475.

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, 5.511, 303.449

Trichromacy



Original Color
46, 112.476, 311.475



Protanomaly
43, 87.604, 297.351



Deuteranomaly
42, 74.075, 294.331



Tritanomaly
44, 49.236, 309.920

Monochromacy



Original Color
46, 112.476, 311.475



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 46.627, 309.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 112.476, 311.475 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(143, 50, 254)` looks like.

```
.text, #text, p{  
    color:rgb(143, 50, 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(143, 50, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 50, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 112.476, 311.475 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(143, 50, 254) }
```

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

```
.border{ border-color:rgb(143, 50, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 50, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 50, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 50, 254);  
box-shadow:4px 4px 4px 4px rgb(143, 50,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 112.476, 311.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 50, 254) }
```

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

```
.background{ background-color: rgb(143, 50,  
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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