

Converting Colors

CIELCh(46, 112.963, 310.941)

Have a look what the booklet for
CIELCh(46, 112.963, 310.941)
contains.

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Color

CIELCh(46, 112.389, 310.939)

Conversions

Conversions Part 1

Format	Color
Hex	8C34FF
RGB	140, 52, 255
RGB Percent	55%, 20%, 100%
CMY	0.4507, 0.7958, 0.0000
CMYK	0.45, 0.80, 0.00, 0.00
HSL	266°, 100%, 60%
HSV	266°, 80%, 100%
XYZ	30.1198, 15.2687, 96.0261
YIQ	101.4540, -12.7150, 81.7890

Conversions

Conversions Part 2

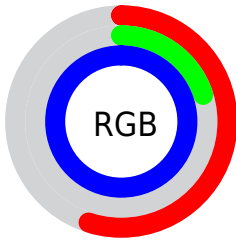
Format	Color
R _Y B	140, 52, 255
Decimal	9188607
CIE Lab	46.00, 73.64, -84.90
CIE LCh	46, 112.389, 310.939
Yxy	15.2687, 0.2130, 0.1080
Android (android.graphics.Color)	4287378687 (0xFF8C34FF)
YUV	101.4540, 75.6982, 33.8048
Hunter-Lab	39.0751, 69.2092, -118.3509

Details

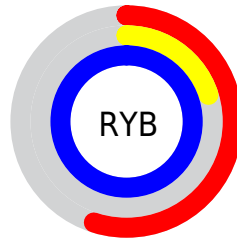
The CIELCh color **46, 112.389, 310.939** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **92, 96.925, 124.114**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 83.912, 316.115**, and **28, 105.400, 309.485** is the 20% darker color. If you saturate the color by 10%, you get **42, 121.319, 310.838**, and if you desaturate by 10%, it is **51, 100.384, 310.681**.

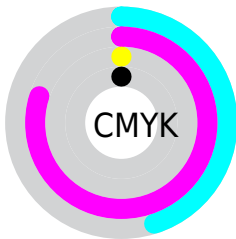
Distribution



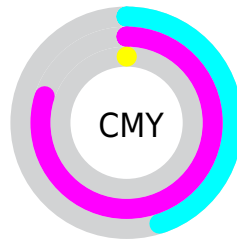
- Red (55%)
- Green (20%)
- Blue (100%)



- Red (55%)
- Yellow (20%)
- Blue (100%)



- Cyan (45%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 112.389, 310.939 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, 112.389, 310.939 by changing the saturation by 10% instead.


 46, 112.389,
310.939


 46, 112.389,
310.939


 100, 112.389,
310.939


 36, 112.389,
310.939


 66, 112.389,
310.939


 26, 112.389,
310.939


 76, 112.389,
310.939


 16, 112.389,
310.939


 86, 112.389,
310.939

 6, 112.389,
310.939

 96, 112.389,
310.939

 0, 112.389,
310.939

 46, 112.389,

 46, 112.389,

310.939

310.939

■ 42, 121.319,
310.838

■ 51, 100.384,
310.681

■ 39, 126.659,
310.303

■ 57, 86.565,
310.192

■ 39, 126.853,
310.280

■ 64, 71.848,
309.588

■ 71, 56.861,
308.947

■ 78, 41.974,
308.317

■ 86, 27.386,
307.724

■ 93, 13.195,
307.177

100, 0.012,
296.813

Harmonies

Complementary

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



46, 112.389, 310.939



92, 96.925, 124.114

Rectangle

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



46, 112.389, 310.939



46, 112.389, 0.939



46, 112.389, 130.939



46, 112.389, 180.939

Sweetspot

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



46, 112.357, 310.943



82, 33.790, 307.981



66, 52.500, 267.898



41, 23.331, 308.194



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, 112.357, 310.943



40, 124.570, 310.585



60, 108.344, 325.744



49, 7.831, 307.173



28, 101.964, 310.469



6, 44.918, 311.079

Inverse Universe

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



59, 82.064, 350.435



56, 85.791, 354.886



88, 110.193, 136.364



50, 6.678, 340.954



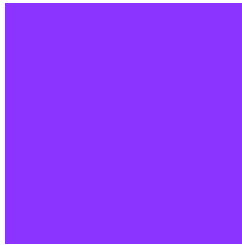
42, 69.421, 355.952



11, 32.647, 351.402

Previews

White Background



This preview shows how the CIELCh color 46, 112.389, 310.939 looks on a white background.

Color Contrast Check

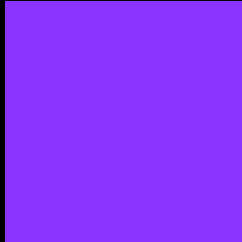
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 112.389, 310.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

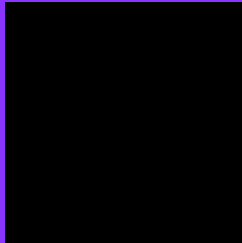
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 112.389, 310.939

Background



This preview shows how black text looks on a background with the CIELCh color 46, 112.389, 310.939.

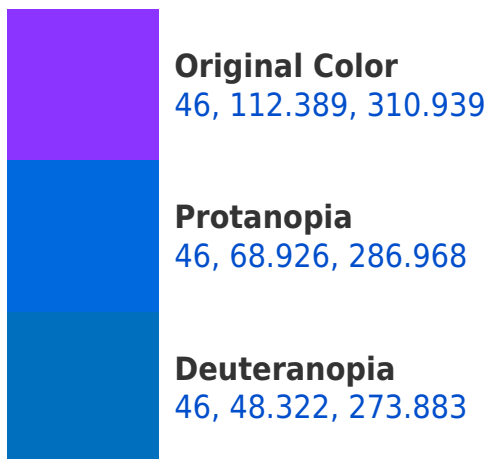


This preview shows how white text looks on a background with the CIELCh color 46, 112.389, 310.939.

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, 5.400, 282.542

Trichromacy



Original Color
46, 112.389, 310.939

Protanomaly
43, 86.993, 297.034

Deuteranomaly
43, 74.008, 294.031

Tritanomaly
44, 48.289, 307.701

Monochromacy



Original Color
46, 112.389, 310.939

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 45.843, 309.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 112.389, 310.939 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(140, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 52, 255)  
}
```

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(140, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 52, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 112.389, 310.939 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(140, 52, 255) }
```

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

```
.border{ border-color:rgb(140, 52, 255) }
```

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

Here you see how a box with a 4 pixel rgb(140, 52, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 52, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 52, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 52,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 112.389, 310.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 52, 255) }
```

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

```
.background{ background-color: rgb(140, 52,  
255) }
```

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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