

Converting Colors

CIELCh(46, 110.459, 309.563)

Have a look what the booklet for
CIELCh(46, 110.459, 309.563)
contains.

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Color

CIELCh(46, 110.401, 309.677)

Conversions

Conversions Part 1

Format	Color
Hex	853AFF
RGB	133, 58, 255
RGB Percent	52%, 23%, 100%
CMY	0.4778, 0.7720, 0.0000
CMYK	0.48, 0.77, 0.00, 0.00
HSL	263°, 100%, 61%
HSV	263°, 77%, 100%
XYZ	29.2907, 15.2687, 96.1332
YIQ	102.8830, -18.5370, 77.1670

Conversions

Conversions Part 2

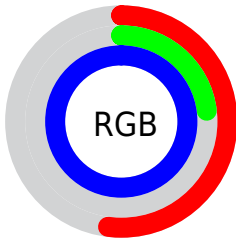
Format	Color
R _Y B	133, 58, 255
Decimal	8731391
CIE Lab	46.00, 70.49, -84.97
CIE LCh	46, 110.401, 309.677
Yxy	15.2687, 0.2082, 0.1085
Android (android.graphics.Color)	4286921471 (0xFF853AFF)
YUV	102.8830, 74.9937, 26.4126
Hunter-Lab	39.0751, 65.4218, -118.5134

Details

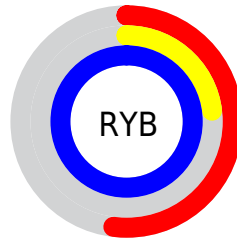
The CIELCh color **46, 110.401, 309.677** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **92, 93.671, 121.951**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 81.427, 314.249**, and **27, 106.324, 308.768** is the 20% darker color. If you saturate the color by 10%, you get **41, 120.532, 309.814**, and if you desaturate by 10%, it is **52, 97.427, 309.215**.

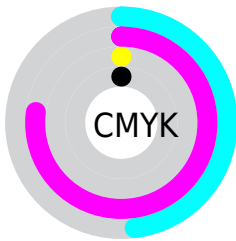
Distribution



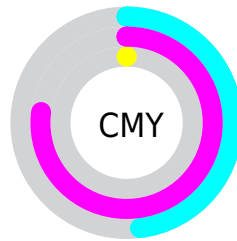
- Red (52%)
- Green (23%)
- Blue (100%)



- Red (52%)
- Yellow (23%)
- Blue (100%)



- Cyan (48%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (77%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 110.401, 309.677 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, 110.401, 309.677 by changing the saturation by 10% instead.


 46, 110.401,
309.677


 46, 110.401,
309.677


 100, 110.401,
309.677


 36, 110.401,
309.677


 66, 110.401,
309.677


 26, 110.401,
309.677


 76, 110.401,
309.677


 16, 110.401,
309.677


 86, 110.401,
309.677

 6, 110.401,
309.677

 96, 110.401,
309.677

 0, 110.401,
309.677

 46, 110.401,

 46, 110.401,

309.677

309.677

■ 41, 120.532,
309.814

■ 52, 97.427,
309.215

■ 38, 126.891,
309.468

■ 58, 83.038,
308.559

■ 37, 128.229,
309.334

■ 65, 68.051,
307.828

■ 72, 53.007,
307.094

■ 80, 38.199,
306.396

■ 87, 23.774,
305.755

■ 95, 9.792, 305.175

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, 110.401, 309.677



92, 93.671, 121.951

Rectangle

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



46, 110.401, 309.677



46, 110.401, 359.677



46, 110.401, 129.677



46, 110.401, 179.677

Sweetspot

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



46, 110.332, 309.683



83, 32.088, 306.119



71, 46.338, 257.407



42, 22.336, 306.357



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, 110.332, 309.683



39, 124.722, 309.675



59, 106.651, 323.515



49, 7.760, 305.304



27, 103.063, 309.513



5, 44.877, 309.703

Inverse Universe

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



60, 83.127, 346.325



56, 87.707, 349.929



89, 106.902, 135.560



50, 6.929, 338.435



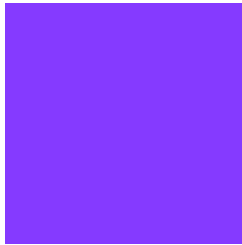
42, 70.979, 351.364



11, 33.462, 347.630

Previews

White Background



This preview shows how the CIE LCh color 46, 110.401, 309.677 looks on a white background.

Color Contrast Check

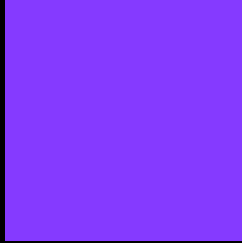
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.401, 309.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

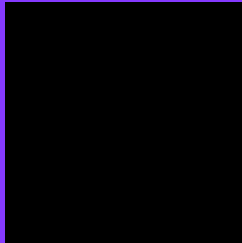
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 110.401, 309.677

Background



This preview shows how black text looks on a background with the CIELCh color 46, 110.401, 309.677.

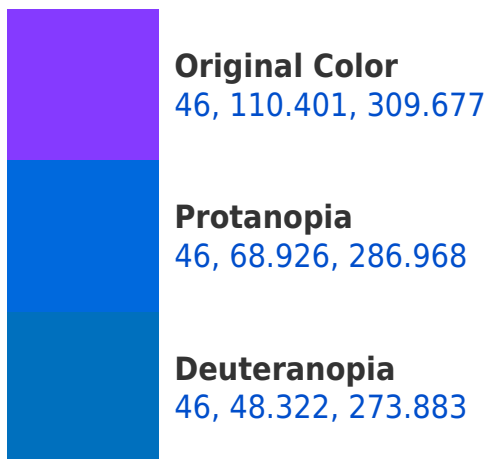


This preview shows how white text looks on a background with the CIELCh color 46, 110.401, 309.677.

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, 7.210, 247.205

Trichromacy



Original Color
46, 110.401, 309.677



Protanomaly
43, 85.784, 296.320



Deuteranomaly
43, 72.775, 293.092



Tritanomaly
44, 46.599, 303.541

Monochromacy



Original Color
46, 110.401, 309.677



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 43.726, 307.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 110.401, 309.677 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(133, 58, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 58, 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(133, 58, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 58, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 110.401, 309.677 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(133, 58, 255) }
```

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

```
.border{ border-color:rgb(133, 58, 255) }
```

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

Here you see how a box with a 4 pixel rgb(133, 58, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 58, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 58, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 58,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 110.401, 309.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 58, 255) }
```

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

```
.background{ background-color: rgb(133, 58,  
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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