

Converting Colors

CIELCh(46, 104.373, 305.562)

Have a look what the booklet for
CIELCh(46, 104.373, 305.562)
contains.

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Color

CIELCh(46, 104.373, 305.562)

Conversions

Conversions Part 1

Format	Color
Hex	6E49FF
RGB	110, 73, 255
RGB Percent	43%, 29%, 100%
CMY	0.5692, 0.7142, 0.0005
CMYK	0.57, 0.71, 0.00, 0.00
HSL	252°, 100%, 64%
HSV	252°, 71%, 100%
XYZ	26.8178, 15.2687, 96.0359
YIQ	104.8110, -36.3700, 64.4460

Conversions

Conversions Part 2

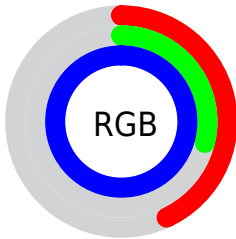
Format	Color
R _Y B	110, 73, 255
Decimal	7227903
CIE Lab	46.00, 60.70, -84.91
CIE LCh	46, 104.373, 305.562
Yxy	15.2687, 0.1942, 0.1105
Android (android.graphics.Color)	4285417983 (0xFF6E49FF)
YUV	104.8110, 74.0432, 4.5508
Hunter-Lab	39.0751, 54.1256, -118.3658

Details

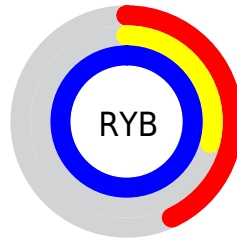
The CIELCh color **46, 104.373, 305.562** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **95, 85.273, 113.975**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 73.732, 307.985**, and **26, 104.481, 305.562** is the 20% darker color. If you saturate the color by 10%, you get **40, 117.500, 306.563**, and if you desaturate by 10%, it is **53, 89.477, 304.340**.

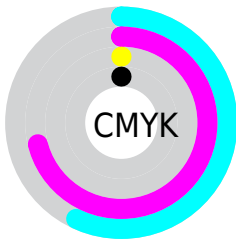
Distribution



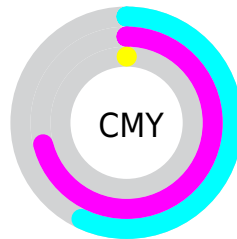
- Red (43%)
- Green (29%)
- Blue (100%)



- Red (43%)
- Yellow (29%)
- Blue (100%)



- Cyan (57%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 104.373, 305.562 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, 104.373, 305.562 by changing the saturation by 10% instead.


 46, 104.373,
305.562


 46, 104.373,
305.562


 100, 104.373,
305.562


 36, 104.373,
305.562


 66, 104.373,
305.562


 26, 104.373,
305.562


 76, 104.373,
305.562


 16, 104.373,
305.562


 86, 104.373,
305.562

 6, 104.373,
305.562

 96, 104.373,
305.562

 0, 104.373,
305.562

 46, 104.373,

 46, 104.373,

305.562

305.562

■ 40, 117.500,
306.563

■ 53, 89.477,
304.340

■ 36, 127.143,
307.106

■ 60, 74.015,
303.073

■ 34, 131.956,
307.155

■ 68, 58.643,
301.865

■ 75, 43.663,
300.766

■ 83, 29.191,
299.793

■ 91, 15.256,
298.943

■ 99, 1.849, 298.201

■ 100, 0.052,
108.679

Harmonies

Complementary

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



46, 104.373, 305.562



95, 85.273, 113.975

Rectangle

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



46, 104.373, 305.562



46, 104.373, 355.562



46, 104.373, 125.562



46, 104.373, 175.562

Sweetspot

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



46, 104.373, 305.563



84, 28.633, 299.757



81, 39.483, 226.989



42, 19.483, 300.011



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, 104.373, 305.563



38, 122.523, 306.883



56, 101.499, 318.260



49, 7.584, 298.795



24, 106.143, 307.269



4, 44.564, 305.609

Inverse Universe

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



63, 89.015, 335.716



59, 96.738, 337.056



90, 97.155, 132.306



50, 7.865, 331.209



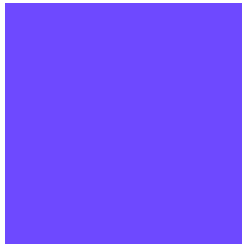
43, 79.493, 338.379



11, 37.246, 336.914

Previews

White Background



This preview shows how the CIELCh color 46, 104.373, 305.562 looks on a white background.

Color Contrast Check

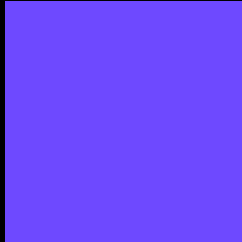
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.373, 305.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

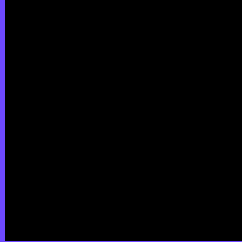
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 104.373, 305.562

Background



This preview shows how black text looks on a background with the CIELCh color 46, 104.373, 305.562.

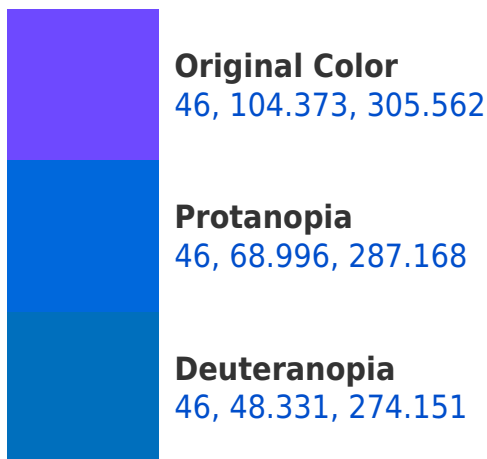


This preview shows how white text looks on a background with the CIELCh color 46, 104.373, 305.562.

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, 19.267, 213.793

Trichromacy



Original Color
46, 104.373, 305.562



Protanomaly
44, 82.734, 294.458



Deuteranomaly
44, 69.154, 290.469



Tritanomaly
44, 43.185, 287.434

Monochromacy



Original Color
46, 104.373, 305.562



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 40.574, 301.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 104.373, 305.562 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(110, 73, 255)` looks like.

```
.text, #text, p{  
  color:rgb(110, 73, 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(110, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 73, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 104.373, 305.562 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(110, 73, 255) }
```

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

```
.border{ border-color:rgb(110, 73, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 73, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 73,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 104.373, 305.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 73, 255) }
```

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

```
.background{ background-color: rgb(110, 73,  
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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