

Converting Colors

CIELCh(47, 81.387, 305.369)

Have a look what the booklet for
CIELCh(47, 81.387, 305.369)
contains.

CIELCh(47, 81.274, 305.328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 81.274, 305.328)

Conversions

Conversions Part 1

Format	Color
Hex	7856E1
RGB	120, 86, 225
RGB Percent	47%, 34%, 88%
CMY	0.5304, 0.6636, 0.1186
CMYK	0.47, 0.62, 0.00, 0.12
HSL	255°, 70%, 61%
HSV	255°, 62%, 88%
XYZ	24.5786, 16.0195, 72.8537
YIQ	112.0120, -24.3550, 50.4370

Conversions

Conversions Part 2

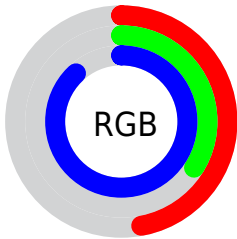
Format	Color
R _Y B	120, 86, 225
Decimal	7886561
CIE Lab	47.00, 47.00, -66.31
CIE LCh	47, 81.274, 305.328
Yxy	16.0195, 0.2166, 0.1412
Android (android.graphics.Color)	4286076641 (0xFF7856E1)
YUV	112.0120, 55.7031, 7.0055
Hunter-Lab	40.0243, 39.5728, -79.9048

Details

The CIELCh color **47, 81.274, 305.328** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **85, 69.436, 116.109**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 66.552, 306.991**, and **27, 81.218, 305.297** is the 20% darker color. If you saturate the color by 10%, you get **41, 94.539, 306.376**, and if you desaturate by 10%, it is **53, 67.438, 304.219**.

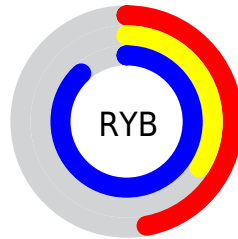
Distribution



Red (47%)

Green (34%)

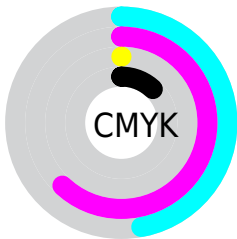
Blue (88%)



Red (47%)

Yellow (34%)

Blue (88%)

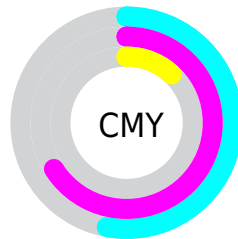


Cyan (47%)

Magenta (62%)

Yellow (0%)

Black (12%)



Cyan (53%)

Magenta (66%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 81.274, 305.328 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 47, 81.274, 305.328 by changing the saturation by 10% instead.


 47, 81.274,
305.328


 47, 81.274,
305.328


 100, 81.274,
305.328


 37, 81.274,
305.328

 67, 81.274,
305.328


 27, 81.274,
305.328

 77, 81.274,
305.328

 17, 81.274,
305.328

 87, 81.274,
305.328

 7, 81.274, 305.328

 97, 81.274,
305.328

 0, 81.274, 305.328

 47, 81.274,

 47, 81.274,

305.328

41, 94.539,
306.376

36, 106.199,
307.200

32, 114.827,
307.592

30, 119.253,
307.579

305.328

53, 67.438,
304.219

60, 53.616,
303.145

67, 40.096,
302.155

74, 26.999,
301.268

81, 14.364,
300.488

88, 2.190, 299.797

95, 9.539, 119.226

99, 15.302,
109.021

Harmonies

Complementary

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



47, 81.274, 305.328



85, 69.436, 116.109

Rectangle

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



47, 81.274, 305.328



47, 81.274, 355.328



47, 81.274, 125.328



47, 81.274, 175.328

Sweetspot

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



47, 81.274, 305.329



85, 25.903, 301.047



73, 32.945, 230.255



43, 17.923, 301.284



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 81.274, 305.329



45, 107.686, 306.628



55, 81.705, 319.175



43, 6.856, 300.316



22, 99.142, 307.704



3, 32.129, 301.745

Inverse Universe

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



58, 71.070, 336.733



61, 88.427, 337.961



81, 78.992, 133.487



44, 6.876, 332.713



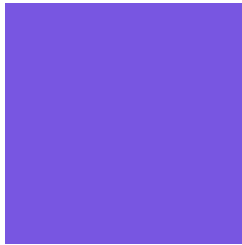
39, 72.589, 340.929



7, 30.460, 338.399

Previews

White Background



This preview shows how the CIELCh color 47, 81.274, 305.328 looks on a white background.

Color Contrast Check

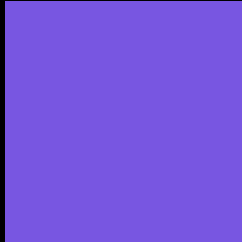
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 81.274, 305.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

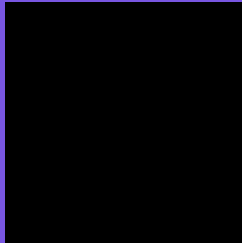
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 81.274, 305.328

Background



This preview shows how black text looks on a background with the CIELCh color 47, 81.274, 305.328.

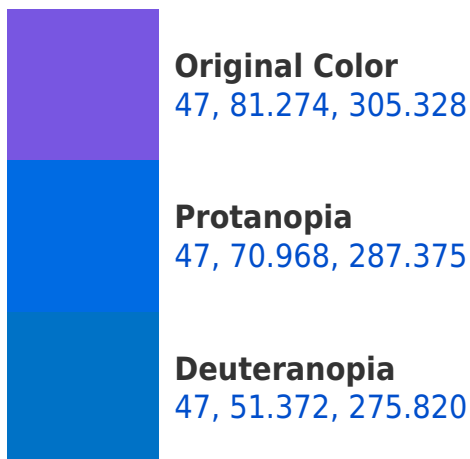



This preview shows how white text looks on a background with the CIELCh color 47, 81.274, 305.328.

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
47, 9.623, 232.457

Trichromacy



Original Color
47, 81.274, 305.328



Protanomaly
46, 75.033, 292.033



Deuteranomaly
46, 61.939, 287.048



Tritanomaly
46, 33.872, 294.093

Monochromacy



Original Color
47, 81.274, 305.328



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 30.760, 302.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 81.274, 305.328 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(120, 86, 225)` looks like.

```
.text, #text, p{  
    color:rgb(120, 86, 225)  
}
```

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(120, 86, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 86, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 81.274, 305.328 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(120, 86, 225) }
```

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

```
.border{ border-color:rgb(120, 86, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 86, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 86, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 86, 225);  
box-shadow:4px 4px 4px 4px rgb(120, 86,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 81.274, 305.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 86, 225) }
```

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

```
.background{ background-color: rgb(120, 86,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor