

Converting Colors

CIELCh(81, 49.383, 326.132)

Have a look what the booklet for
CIELCh(81, 49.383, 326.132)
contains.

CIELCh(81, 49.499, 326.145)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(81, 49.499, 326.145)

Conversions

Conversions Part 1

Format	Color
Hex	FDAEFD
RGB	253, 174, 253
RGB Percent	99%, 68%, 99%
CMY	0.0064, 0.3163, 0.0064
CMYK	0.00, 0.31, 0.00, 0.01
HSL	300°, 96%, 84%
HSV	300°, 31%, 99%
XYZ	73.6312, 58.4711, 100.6353
YIQ	206.6270, 21.7250, 41.3170

Conversions

Conversions Part 2

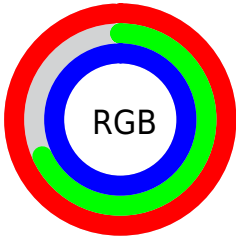
Format	Color
R _Y B	253, 174, 253
Decimal	16625405
CIE Lab	81.00, 41.11, -27.58
CIE LCh	81, 49.499, 326.145
Yxy	58.4711, 0.3164, 0.2512
Android (android.graphics.Color)	4294815485 (0xFFFD AEFD)
YUV	206.6270, 22.8619, 40.6691
Hunter-Lab	76.4664, 38.0655, -24.5034

Details

The CIELCh color $81, 49.499, 326.145$ is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be $93, 49.515, 142.214$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 15.620, 324.964$, and $61, 49.508, 326.120$ is the 20% darker color. If you saturate the color by 10%, you get $76, 64.718, 326.654$, and if you desaturate by 10%, it is $87, 33.709, 325.605$.

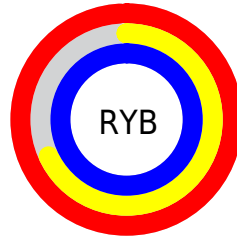
Distribution



Red (99%)

Green (68%)

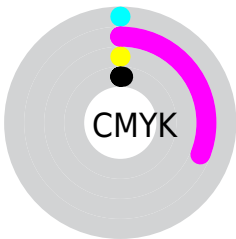
Blue (99%)



Red (99%)

Yellow (68%)

Blue (99%)

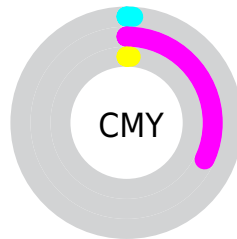


Cyan (0%)

Magenta (31%)

Yellow (0%)

Black (1%)



Cyan (1%)


Magenta (32%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 49.499, 326.145 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 81, 49.499, 326.145 by changing the saturation by 10% instead.


 81, 49.499,
326.145


 81, 49.499,
326.145


 100, 49.499,
326.145


 71, 49.499,
326.145

 61, 49.499,
326.145

 51, 49.499,
326.145

 41, 49.499,
326.145

 31, 49.499,
326.145

 21, 49.499,
326.145

 11, 49.499,

326.145

■ 1, 49.499, 326.145

■ 0, 49.499, 326.145

■ 81, 49.499,
326.145

■ 81, 49.499,
326.145

■ 76, 64.718,
326.654

■ 87, 33.709,
325.605

■ 71, 78.865,
327.116

■ 93, 17.745,
325.045

■ 67, 91.330,
327.512

■ 99, 1.879, 324.346

■ 64, 101.494,
327.828


■ 100, 1.000,
144.749

■ 62, 108.860,


■ 100, 0.999,
144.786

328.052

100, 0.998,
144.824

 60, 113.235,
328.183

100, 0.997,
144.861

 60, 114.998,
328.236

100, 0.996,
144.899

100, 0.995,
144.937

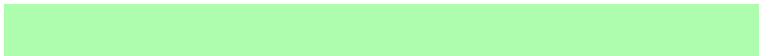
Harmonies

Complementary

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



81, 49.499, 326.145



93, 49.515, 142.214

Rectangle

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



81, 49.499, 326.145



81, 49.499, 16.145



81, 49.499, 146.145



81, 49.499, 196.145

Sweetspot

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



81, 49.496, 326.145



94, 14.332, 324.920



74, 42.845, 294.109



50, 9.967, 325.004



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 49.496, 326.145



78, 58.746, 326.446



80, 35.444, 346.611



50, 9.056, 324.949



45, 93.076, 328.236



12, 42.820, 328.236

Inverse Universe

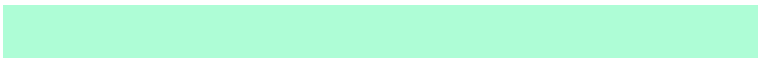
The Inverse Universe completely reimagines the original color for something new.



81, 49.496, 326.145



78, 58.746, 326.446



94, 34.100, 160.698



50, 9.056, 324.949



45, 93.076, 328.236



12, 42.820, 328.236

Previews

White Background



This preview shows how the CIE LCh color 81, 49.499, 326.145 looks on a white background.

Color Contrast Check

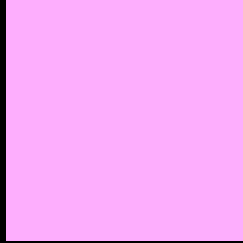
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 81, 49.499, 326.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

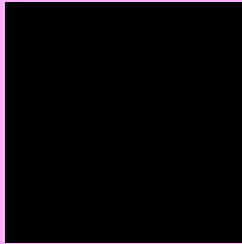
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 49.499, 326.145

Background



This preview shows how black text looks on a background with the CIELCh color 81, 49.499, 326.145.

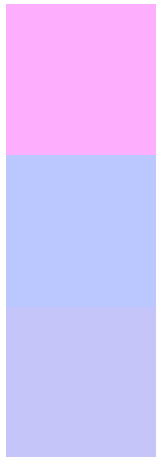


This preview shows how white text looks on a background with the CIELCh color 81, 49.499, 326.145.

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



Original Color
81, 49.499, 326.145

Protanopia
81, 29.382, 284.620

Deuteranopia
81, 27.669, 292.579



Tritanopia
81, 24.093, 3.696

Trichromacy



Original Color
81, 49.499, 326.145



Protanomaly
81, 34.324, 304.054



Deuteranomaly
81, 34.462, 308.629

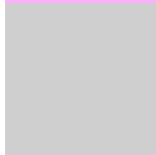


Tritanomaly
81, 31.707, 342.966

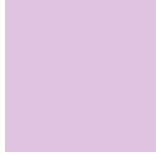
Monochromacy



Original Color
81, 49.499, 326.145



Achromatopsia
83, 0.010, 296.813



Achromatomaly
82, 18.597, 325.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 49.499, 326.145 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(253, 174, 253)` looks like.

```
.text, #text, p{  
    color:rgb(253, 174, 253)  
}
```

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(253, 174, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 174, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 49.499, 326.145 is called "border". The border property can be set on classes, ids or directly on the HTML element.

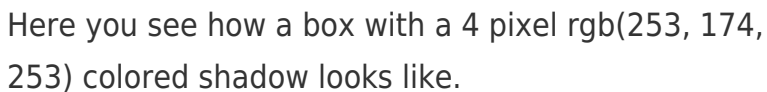
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 174, 253) }
```

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

```
.border{ border-color:rgb(253, 174, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(253, 174, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 174, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 174, 253); box-shadow:4px 4px 4px 4px rgb(253, 174, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 49.499, 326.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 174, 253) }
```

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

```
.background{ background-color: rgb(253,  
174, 253) }
```

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