

Converting Colors

CIELCh(100, 103.766, 333.216)

Have a look what the booklet for
CIELCh(100, 103.766, 333.216)
contains.

CIELCh(81, 50.046, 326.153)	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, 50.046, 326.153)

Conversions

Conversions Part 1

Format	Color
Hex	FEAEFE
RGB	254, 174, 254
RGB Percent	100%, 68%, 100%
CMY	0.0043, 0.3177, 0.0042
CMYK	0.00, 0.31, 0.00, 0.00
HSL	300°, 97%, 84%
HSV	300°, 31%, 100%
XYZ	73.8518, 58.4711, 101.0992
YIQ	207.0400, 22.0000, 41.8400

Conversions

Conversions Part 2

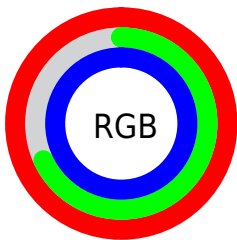
Format	Color
RYB	254, 174, 254
Decimal	16690942
CIELab	81.00, 41.56, -27.87
CIELCh	81, 50.046, 326.153
Yxy	58.4711, 0.3164, 0.2505
Android (android.graphics.Color)	4294881022 (0xFFFEAEFE)
YUV	207.0400, 23.1513, 41.1839
Hunter-Lab	76.4664, 38.5805, -24.8632

Details

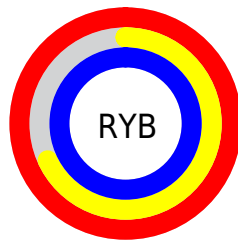
The CIELCh color $81, 50.046, 326.153$ is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be $93, 50.064, 142.180$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 15.620, 324.964$, and $61, 50.096, 326.140$ is the 20% darker color. If you saturate the color by 10%, you get $76, 65.269, 326.661$, and if you desaturate by 10%, it is $87, 34.237, 325.614$.

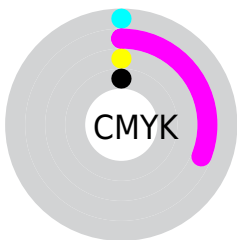
Distribution



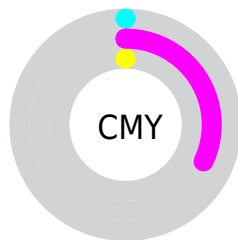
- Red (100%)
- Green (68%)
- Blue (100%)



- Red (100%)
- Yellow (68%)
- Blue (100%)



- Cyan (0%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (32%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 50.046, 326.153 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, 50.046, 326.153 by changing the saturation by 10% instead.


 81, 50.046,
326.153


 81, 50.046,
326.153


 100, 50.046,
326.153


 71, 50.046,
326.153

 61, 50.046,
326.153

 51, 50.046,
326.153

 41, 50.046,
326.153

 31, 50.046,
326.153

 21, 50.046,
326.153

 11, 50.046,

326.153

■ 1, 50.046, 326.153

■ 0, 50.046, 326.153

■ 81, 50.046,
326.153

■ 81, 50.046,
326.153

■ 76, 65.269,
326.661

■ 87, 34.237,
325.614

■ 71, 79.401,
327.121

■ 93, 18.246,
325.055

■ 67, 91.829,
327.514

■ 99, 2.346, 324.388

■ 64, 101.935,
327.827


100, 0.653,
144.795

■ 62, 109.226,

100, 0.652,
144.680

328.048 100, 0.651,
144.564

 61, 113.520,
328.176 100, 0.650,
144.449

 60, 115.200,
328.225 100, 0.649,
144.333

100, 0.648,
144.216

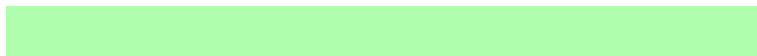
Harmonies

Complementary

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



81, 50.046, 326.153



93, 50.064, 142.180

Rectangle

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



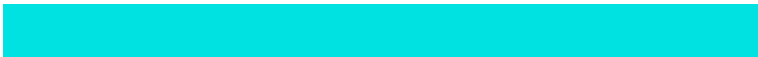
81, 50.046, 326.153



81, 50.046, 16.153



81, 50.046, 146.153



81, 50.046, 196.153

Sweetspot

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



81, 50.043, 326.153



94, 14.332, 324.913



74, 42.580, 293.530



50, 9.967, 324.997



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, 50.043, 326.153



78, 60.269, 326.489



80, 36.203, 345.699



50, 9.056, 324.942



45, 93.083, 328.225



12, 42.823, 328.226

Inverse Universe

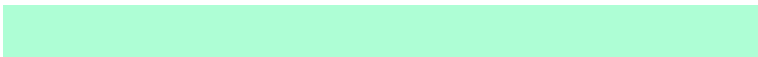
The Inverse Universe completely reimagines the original color for something new.



79, 31.585, 22.122



75, 39.160, 23.046



94, 34.933, 159.808



49, 5.254, 19.929



40, 84.221, 39.993



10, 33.366, 27.169

Previews

White Background



This preview shows how the CIELCh color 81, 50.046, 326.153 looks on a white background.

Color Contrast Check

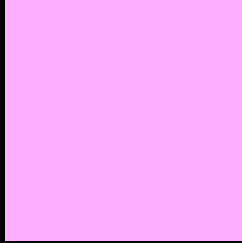
Large Text (above 18pt) WCAG AA × Fail

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, 50.046, 326.153 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, 50.046, 326.153

Background



This preview shows how black text looks on a background with the CIELCh color 81, 50.046, 326.153.

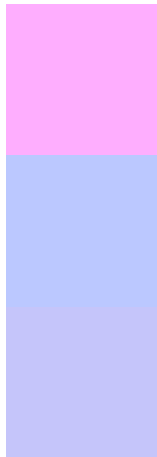


This preview shows how white text looks on a background with the CIELCh color 81, 50.046, 326.153.

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, 50.080, 326.159

Protanopia

81, 29.382, 284.620

Deuteranopia

81, 28.199, 292.622



Tritanopia
81, 24.458, 4.012

Trichromacy



Original Color
81, 50.080, 326.159



Protanomaly
81, 34.841, 303.906



Deuteranomaly
81, 34.549, 309.174



Tritanomaly
81, 31.986, 343.423

Monochromacy



Original Color
81, 50.080, 326.159



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, 50.046, 326.153 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(254, 174, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 174, 254)  
}
```

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(254, 174, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 174, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 50.046, 326.153 is called "border". The border property can be set on classes, ids or directly on the HTML element.

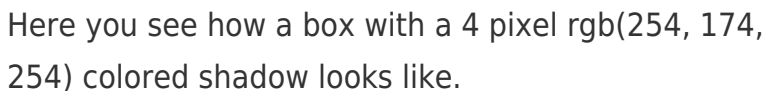
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(254, 174, 254) }
```

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

```
.border{ border-color:rgb(254, 174, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(254, 174, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(254, 174, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(254, 174, 254); box-shadow:4px 4px 4px 4px rgb(254, 174, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 50.046, 326.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 174, 254) }
```

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

```
.background{ background-color: rgb(254,  
174, 254) }
```

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