

Converting Colors

CIELCh(80, 51.536, 322.550)

Have a look what the booklet for
CIELCh(80, 51.536, 322.550)
contains.

CIELCh(80, 50.654, 323.399)	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(80, 50.654, 323.399)

Conversions

Conversions Part 1

Format	Color
Hex	F7ACFF
RGB	247, 172, 255
RGB Percent	97%, 67%, 100%
CMY	0.0302, 0.3244, 0.0000
CMYK	0.03, 0.32, 0.00, 0.00
HSL	294°, 100%, 84%
HSV	294°, 32%, 100%
XYZ	71.3692, 56.6813, 102.0399
YIQ	203.8870, 18.0570, 41.7130

Conversions

Conversions Part 2

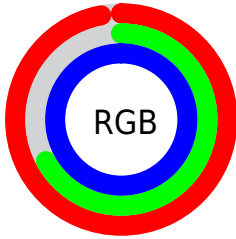
Format	Color
R_{YB}	247, 172, 255
Decimal	16231679
CIE _{Lab}	80.00, 40.67, -30.20
CIE _{LCh}	80, 50.654, 323.399
Yxy	56.6813, 0.3102, 0.2463
Android (android.graphics.Color)	4294421759 (0xFFF7ACFF)
YUV	203.8870, 25.1987, 37.8101
Hunter-Lab	75.2870, 37.4591, -27.6576

Details

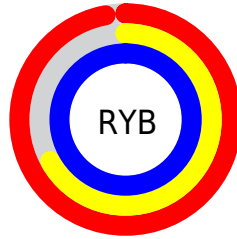
The CIELCh color $80, 50.654, 323.399$ is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be $94, 50.234, 139.872$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $93, 16.877, 325.009$, and $60, 50.936, 323.617$ is the 20% darker color. If you saturate the color by 10%, you get $74, 65.613, 323.939$, and if you desaturate by 10%, it is $86, 34.961, 323.011$.

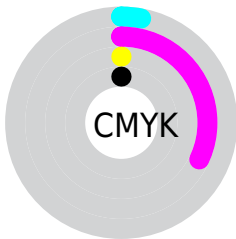
Distribution



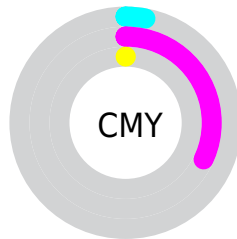
- Red (97%)
- Green (67%)
- Blue (100%)



- Red (97%)
- Yellow (67%)
- Blue (100%)



- Cyan (3%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 50.654, 323.399 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 80, 50.654, 323.399 by changing the saturation by 10% instead.


 80, 50.654,
323.399


 80, 50.654,
323.399


 100, 50.654,
323.399


 70, 50.654,
323.399

 60, 50.654,
323.399

 50, 50.654,
323.399

 40, 50.654,
323.399


 30, 50.654,
323.399


 20, 50.654,
323.399


 10, 50.654,


323.399


 0, 50.654, 323.399


 80, 50.654,
323.399


 80, 50.654,
323.399


 74, 65.613,
323.939

 86, 34.961,
323.011


 69, 79.750,
324.326

 92, 19.292,
322.510


 65, 92.323,
324.626

 98, 3.756, 321.954

100, 0.012,

 61, 102.667,
324.809

296.813

 59, 110.203,
324.849

■ 57,114.650,
324.730

■ 56,116.289,
324.549

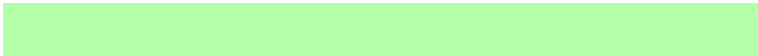
Harmonies

Complementary

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



80, 50.654, 323.399



94, 50.234, 139.872

Rectangle

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



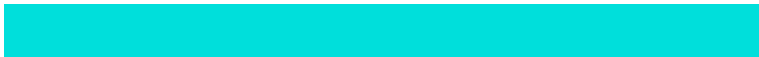
80, 50.654, 323.399



80, 50.654, 13.399



80, 50.654, 143.399



80, 50.654, 193.399

Sweetspot

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



80, 50.521, 323.493



94, 15.488, 322.385



75, 40.180, 290.220



49, 10.577, 322.457



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 50.521, 323.493



76, 60.507, 323.791



80, 39.438, 341.365



50, 8.803, 322.360



42, 93.650, 324.611



11, 43.041, 325.038

Inverse Universe

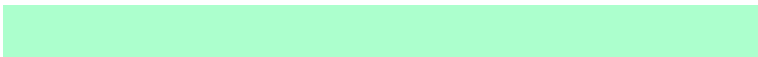
The Inverse Universe completely reimagines the original color for something new.



79, 32.435, 15.173



75, 39.704, 16.238



94, 38.556, 155.730



50, 5.283, 12.437



40, 80.304, 36.300



10, 32.649, 23.404

Previews

White Background



This preview shows how the CIELCh color 80, 50.654, 323.399 looks on a white background.

Color Contrast Check

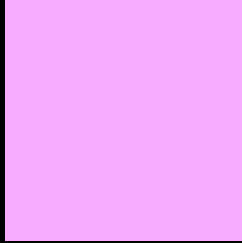
Large Text (above 18pt) WCAG AA × Fail

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 80, 50.654, 323.399 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 80, 50.654, 323.399

Background



This preview shows how black text looks on a background with the CIELCh color 80, 50.654, 323.399.



This preview shows how white text looks on a background with the CIELCh color 80, 50.654, 323.399.

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

80, 50.654, 323.399

Protanopia

80, 31.067, 284.705

Deuteranopia

80, 29.849, 290.315



Tritanopia
80, 21.938, 1.619

Trichromacy



Original Color
80, 50.654, 323.399



Protanomaly
80, 36.388, 302.495



Deuteranomaly
80, 35.744, 305.897



Tritanomaly
80, 30.433, 339.308

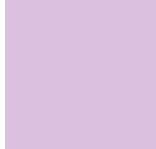
Monochromacy



Original Color
80, 50.654, 323.399



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 19.338, 322.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 50.654, 323.399 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(247, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 172, 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(247, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 172, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 50.654, 323.399 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(247, 172, 255) }
```

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

```
.border{ border-color:rgb(247, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 172,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 50.654, 323.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 172, 255) }
```

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

```
.background{ background-color: rgb(247,  
172, 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](#).

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