

Converting Colors

CIELCh(80, 49.351, 322.268)

Have a look what the booklet for
CIELCh(80, 49.351, 322.268)
contains.

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Color

CIELCh(80, 48.981, 322.183)

Conversions

Conversions Part 1

Format	Color
Hex	F4AEFF
RGB	244, 174, 255
RGB Percent	96%, 68%, 100%
CMY	0.0434, 0.3179, 0.0003
CMYK	0.04, 0.32, 0.00, 0.00
HSL	292°, 100%, 84%
HSV	292°, 32%, 100%
XYZ	70.4443, 56.6813, 101.7748
YIQ	204.1640, 15.7190, 40.0310

Conversions

Conversions Part 2

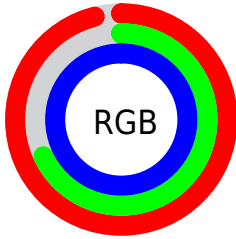
Format	Color
R_YB	244, 174, 255
Decimal	16035583
CIE _{Lab}	80.00, 38.69, -30.03
CIE _{LCh}	80, 48.981, 322.183
Yxy	56.6813, 0.3078, 0.2476
Android (android.graphics.Color)	4294225663 (0xFFFF4AEFF)
YUV	204.1640, 25.0621, 34.9362
Hunter-Lab	75.2870, 35.2662, -27.4488

Details

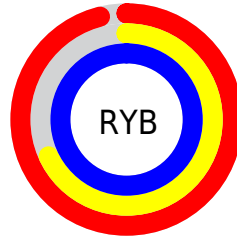
The CIELCh color $80, 48.981, 322.183$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $94, 48.543, 138.827$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 15.620, 324.964$, and $60, 49.275, 322.333$ is the 20% darker color. If you saturate the color by 10%, you get $74, 64.068, 322.614$, and if you desaturate by 10%, it is $86, 33.521, 321.718$.

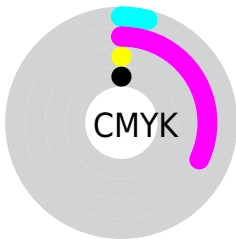
Distribution



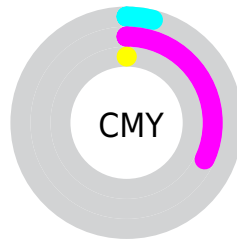
- Red (96%)
- Green (68%)
- Blue (100%)



- Red (96%)
- Yellow (68%)
- Blue (100%)



- Cyan (4%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 48.981, 322.183 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, 48.981, 322.183 by changing the saturation by 10% instead.


 80, 48.981,
322.183


 80, 48.981,
322.183


 100, 48.981,
322.183


 70, 48.981,
322.183

 60, 48.981,
322.183

 50, 48.981,
322.183

 40, 48.981,
322.183

 30, 48.981,
322.183


 20, 48.981,
322.183


 10, 48.981,


322.183


 0, 48.981, 322.183


 80, 48.981,
322.183


 80, 48.981,
322.183

 74, 64.068,
322.614


 86, 33.521,
321.718

 69, 78.330,
322.986


 92, 18.021,
321.236

 64, 91.171,
323.265

 99, 2.695, 320.678

 60, 101.912,
323.417

100, 0.024,
107.013

 58, 109.916,
323.407

■ 56,114.808,
323.209

■ 55,116.796,
322.918

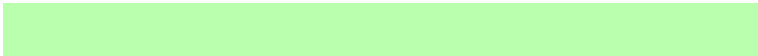
Harmonies

Complementary

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



80, 48.981, 322.183



94, 48.543, 138.827

Rectangle

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



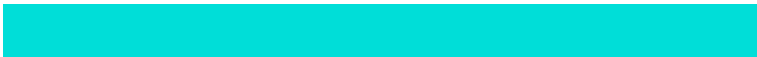
80, 48.981, 322.183



80, 48.981, 12.183



80, 48.981, 142.183



80, 48.981, 192.183

Sweetspot

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



80, 48.978, 322.183



94, 15.294, 321.149



77, 37.067, 287.705



49, 10.445, 321.218



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, 48.978, 322.183



76, 58.461, 322.457



80, 39.918, 338.877



50, 8.692, 321.124



41, 94.067, 323.006



10, 43.197, 323.613

Inverse Universe

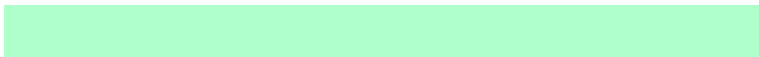
The Inverse Universe completely reimagines the original color for something new.



79, 31.737, 11.789



75, 38.539, 12.803



94, 39.285, 153.647



50, 5.328, 9.043



40, 78.203, 33.961



10, 32.367, 21.617

Previews

White Background



This preview shows how the CIELCh color 80, 48.981, 322.183 looks on a white background.

Color Contrast Check

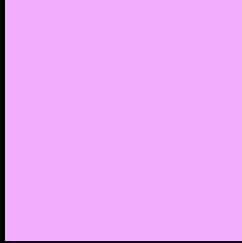
Large Text (above 18pt) WCAG AA × Fail

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, 48.981, 322.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

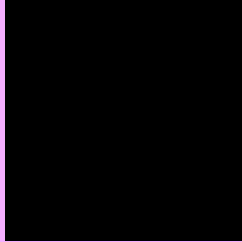
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 48.981, 322.183

Background



This preview shows how black text looks on a background with the CIELCh color 80, 48.981, 322.183.



This preview shows how white text looks on a background with the CIELCh color 80, 48.981, 322.183.

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, 48.981, 322.183

Protanopia
80, 31.067, 284.705

Deuteranopia
80, 29.849, 290.315



Tritanopia
80, 20.486, 359.999

Trichromacy



Original Color
80, 48.981, 322.183



Protanomaly
80, 35.735, 301.562



Deuteranomaly
80, 35.676, 305.372

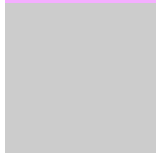


Tritanomaly
80, 29.040, 337.982

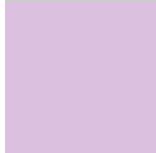
Monochromacy



Original Color
80, 48.981, 322.183



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 18.513, 321.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 48.981, 322.183 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(244, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 174, 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(244, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 174, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 48.981, 322.183 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(244, 174, 255) }
```

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

```
.border{ border-color:rgb(244, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 174,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 48.981, 322.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 174, 255) }
```

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

```
.background{ background-color: rgb(244,  
174, 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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