

Converting Colors

CIELCh(83, 53.243, 342.530)

Have a look what the booklet for
CIELCh(83, 53.243, 342.530)
contains.

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Color

CIELCh(80, 46.360, 332.707)

Conversions

Conversions Part 1

Format	Color
Hex	FFABEF
RGB	255, 171, 239
RGB Percent	100%, 67%, 94%
CMY	0.0000, 0.3303, 0.0635
CMYK	0.00, 0.33, 0.06, 0.00
HSL	312°, 100%, 83%
HSV	312°, 33%, 100%
XYZ	71.6209, 56.6813, 88.6804
YIQ	203.8680, 28.2360, 38.9560

Conversions

Conversions Part 2

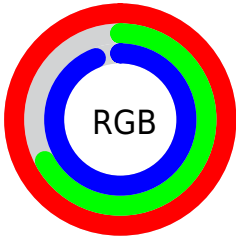
Format	Color
R_{YB}	255, 171, 239
Decimal	16755695
CIE _{Lab}	80.00, 41.20, -21.26
CIE _{LCh}	80, 46.360, 332.707
Yxy	56.6813, 0.3301, 0.2612
Android (android.graphics.Color)	4294945775 (0xFFFFABEF)
YUV	203.8680, 17.3201, 44.8428
Hunter-Lab	75.2870, 38.0557, -17.1367

Details

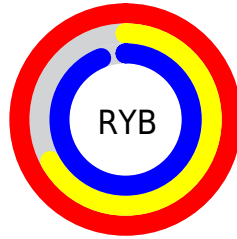
The CIELCh color **80, 46.360, 332.707** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **93, 46.018, 147.661**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 17.506, 325.031**, and **60, 46.310, 332.236** is the 20% darker color. If you saturate the color by 10%, you get **75, 59.550, 333.093**, and if you desaturate by 10%, it is **86, 32.279, 331.718**.

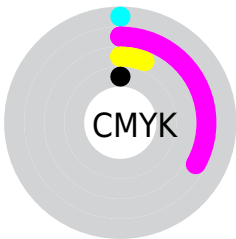
Distribution



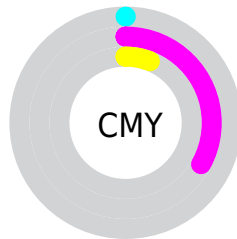
- Red (100%)
- Green (67%)
- Blue (94%)



- Red (100%)
- Yellow (67%)
- Blue (94%)



- Cyan (0%)
- Magenta (33%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 46.360, 332.707 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, 46.360, 332.707 by changing the saturation by 10% instead.


 80, 46.360,
332.707


 80, 46.360,
332.707


 100, 46.360,
332.707


 70, 46.360,
332.707

 60, 46.360,
332.707

 50, 46.360,
332.707

 40, 46.360,
332.707


 30, 46.360,
332.707


 20, 46.360,
332.707


 10, 46.360,


332.707


 0, 46.360, 332.707


 80, 46.360,
332.707


 80, 46.360,
332.707

 75, 59.550,
333.093


 86, 32.279,
331.718

 70, 71.865,
333.811


 92, 18.200,
331.055

 66, 82.523,
334.558

 98, 4.203, 330.358

 62, 90.881,
335.347

100, 0.012,
296.813

 60, 96.418,
336.207

■ 58, 98.938,
337.171

■ 58, 99.254,
337.916

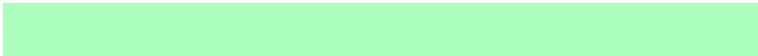
Harmonies

Complementary

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



80, 46.360, 332.707



93, 46.018, 147.661

Rectangle

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



80, 46.360, 332.707



80, 46.360, 22.707



80, 46.360, 152.707



80, 46.360, 202.707

Sweetspot

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



80, 46.187, 332.396



94, 13.946, 330.856



74, 46.031, 300.289



49, 9.523, 330.949



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, 46.187, 332.396



76, 55.591, 332.880



79, 34.477, 358.587



50, 7.926, 330.823



43, 80.144, 337.714



11, 37.519, 336.357

Inverse Universe

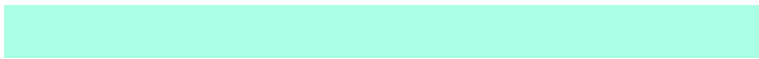
The Inverse Universe completely reimagines the original color for something new.



80, 46.187, 332.396



76, 55.591, 332.880



94, 31.408, 171.467



50, 7.926, 330.823



43, 80.144, 337.714



11, 37.519, 336.357

Previews

White Background



This preview shows how the CIELCh color 80, 46.360, 332.707 looks on a white background.

Color Contrast Check

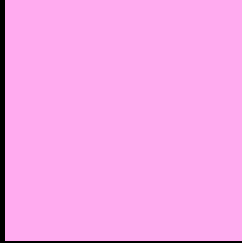
Large Text (above 18pt) WCAG AA × Fail

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, 46.360, 332.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

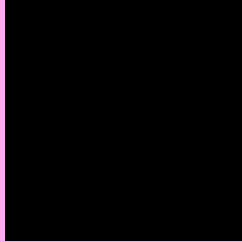
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 46.360, 332.707

Background



This preview shows how black text looks on a background with the CIELCh color 80, 46.360, 332.707.

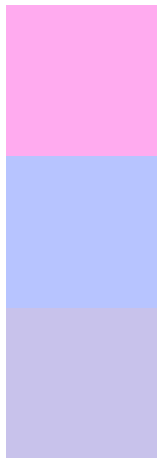


This preview shows how white text looks on a background with the CIELCh color 80, 46.360, 332.707.

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, 46.126, 332.326

Protanopia

80, 31.585, 285.477

Deuteranopia

80, 22.015, 297.390



Tritanopia
80, 27.570, 6.360

Trichromacy



Original Color
80, 46.126, 332.326



Protanomaly
80, 34.061, 305.343



Deuteranomaly
80, 29.263, 315.998

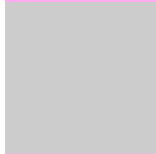


Tritanomaly
80, 32.789, 349.206

Monochromacy



Original Color
80, 46.126, 332.326



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 17.412, 331.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 46.360, 332.707 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(255, 171, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 239)  
}
```

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(255, 171, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 46.360, 332.707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

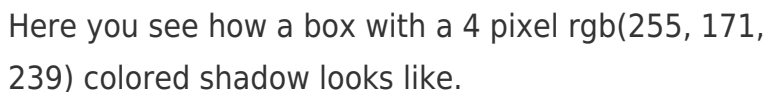
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 171, 239) }
```

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

```
.border{ border-color:rgb(255, 171, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 171, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 171, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 171, 239); box-shadow:4px 4px 4px 4px rgb(255, 171, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 46.360, 332.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 239) }
```

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

```
.background{ background-color: rgb(255,  
171, 239) }
```

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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