

Converting Colors

CIELCh(80, 42.652, 335.966)

Have a look what the booklet for
CIELCh(80, 42.652, 335.966)
contains.

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Color

CIELCh(80, 42.959, 335.711)

Conversions

Conversions Part 1

Format	Color
Hex	FFACE8
RGB	255, 172, 232
RGB Percent	100%, 67%, 91%
CMY	0.0000, 0.3249, 0.0896
CMYK	0.00, 0.32, 0.09, 0.00
HSL	317°, 100%, 84%
HSV	317°, 32%, 100%
XYZ	70.6607, 56.6813, 83.6683
YIQ	203.6570, 30.2080, 36.2560

Conversions

Conversions Part 2

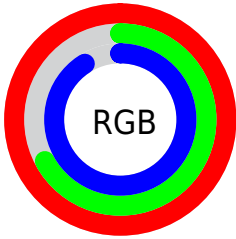
Format	Color
R _Y B	255, 172, 232
Decimal	16755944
CIE Lab	80.00, 39.16, -17.67
CIE LCh	80, 42.959, 335.711
Yxy	56.6813, 0.3349, 0.2686
Android (android.graphics.Color)	4294946024 (0xFFFFACE8)
YUV	203.6570, 13.9731, 45.0278
Hunter-Lab	75.2870, 35.7791, -13.1896

Details

The CIELCh color $80, 42.959, 335.711$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $94, 42.536, 150.653$, 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 $60, 43.026, 335.793$ is the 20% darker color. If you saturate the color by 10%, you get $74, 55.636, 336.472$, and if you desaturate by 10%, it is $86, 29.742, 334.883$.

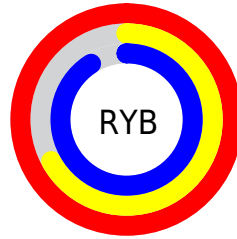
Distribution



Red (100%)

Green (67%)

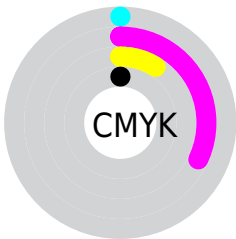
Blue (91%)



Red (100%)

Yellow (67%)

Blue (91%)

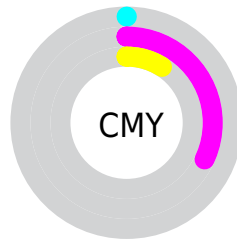


Cyan (0%)

Magenta (32%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.959, 335.711 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, 42.959, 335.711 by changing the saturation by 10% instead.


 80, 42.959,
335.711


 80, 42.959,
335.711


 100, 42.959,
335.711


 70, 42.959,
335.711

 60, 42.959,
335.711

 50, 42.959,
335.711

 40, 42.959,
335.711

 30, 42.959,
335.711

 20, 42.959,
335.711

 10, 42.959,

335.711

■ 0, 42.959, 335.711

■ 80, 42.959,
335.711

■ 80, 42.959,
335.711

■ 74, 55.636,
336.472

■ 86, 29.742,
334.883

■ 69, 67.404,
337.355

■ 92, 16.443,
334.151

■ 65, 77.629,
338.325

■ 98, 3.259, 333.372

■ 62, 85.663,
339.420

100, 0.012,
296.813

■ 59, 90.961,
340.692

■ 58, 93.290,
342.210

■ 57, 93.438,
343.528

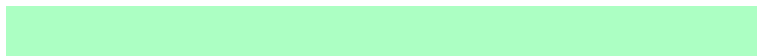
Harmonies

Complementary

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



80, 42.959, 335.711



94, 42.536, 150.653

Rectangle

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



80, 42.959, 335.711



80, 42.959, 25.711



80, 42.959, 155.711



80, 42.959, 205.711

Sweetspot

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



80, 42.922, 335.653



94, 13.140, 333.972



75, 45.492, 302.973



49, 8.974, 334.073



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, 42.922, 335.653



76, 51.276, 336.179



79, 33.021, 4.527



50, 7.468, 333.936



43, 75.500, 343.187



11, 35.537, 340.908

Inverse Universe

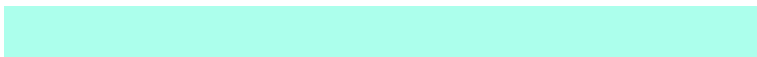
The Inverse Universe completely reimagines the original color for something new.



80, 42.922, 335.653



76, 51.276, 336.179



94, 29.177, 177.567



50, 7.468, 333.936



43, 75.500, 343.187



11, 35.537, 340.908

Previews

White Background



This preview shows how the CIELCh color 80, 42.959, 335.711 looks on a white background.

Color Contrast Check

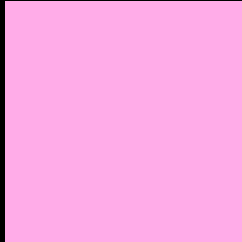
Large Text (above 18pt) WCAG AA × Fail

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, 42.959, 335.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

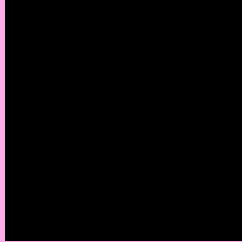
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 42.959, 335.711

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.959, 335.711.



This preview shows how white text looks on a background with the CIELCh color 80, 42.959, 335.711.

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, 42.959, 335.711

Protanopia
80, 27.823, 285.303

Deuteranopia
80, 18.526, 302.511



Tritanopia
80, 27.943, 6.614

Trichromacy



Original Color
80, 42.959, 335.711



Protanomaly
80, 30.509, 307.367



Deuteranomaly
80, 26.896, 320.893

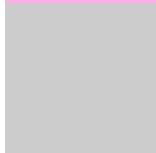


Tritanomaly
80, 31.842, 352.522

Monochromacy



Original Color
80, 42.959, 335.711



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 16.259, 334.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.959, 335.711 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, 172, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 232)  
}
```

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, 172, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.959, 335.711 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, 172, 232) }
```

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

```
.border{ border-color:rgb(255, 172, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.959, 335.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 232) }
```

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

```
.background{ background-color: rgb(255,  
172, 232) }
```

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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