

Converting Colors

CIELCh(78, 46.649, 337.035)

Have a look what the booklet for
CIELCh(78, 46.649, 337.035)
contains.

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Color

CIELCh(78, 46.994, 336.700)

Conversions

Conversions Part 1

Format	Color
Hex	FFA3E4
RGB	255, 163, 228
RGB Percent	100%, 64%, 89%
CMY	0.0000, 0.3598, 0.1049
CMYK	0.00, 0.36, 0.10, 0.00
HSL	317°, 100%, 82%
HSV	317°, 36%, 100%
XYZ	68.5225, 53.2120, 80.2484
YIQ	197.9180, 33.9670, 39.7190

Conversions

Conversions Part 2

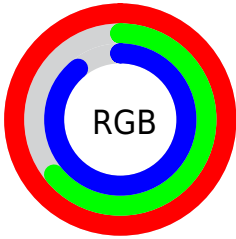
Format	Color
R _Y B	255, 163, 228
Decimal	16753636
CIE Lab	78.00, 43.16, -18.59
CIE LCh	78, 46.994, 336.700
Yxy	53.2120, 0.3392, 0.2634
Android (android.graphics.Color)	4294943716 (0xFFFFA3E4)
YUV	197.9180, 14.8304, 50.0609
Hunter-Lab	72.9466, 40.0178, -14.1622

Details

The CIELCh color $78, 46.994, 336.700$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $93, 46.441, 150.869$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $91, 22.540, 325.209$, and $58, 47.071, 336.964$ is the 20% darker color. If you saturate the color by 10%, you get $73, 59.259, 337.471$, and if you desaturate by 10%, it is $84, 33.995, 335.796$.

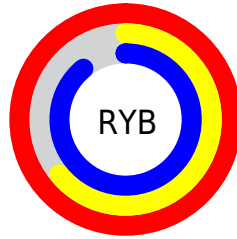
Distribution



Red (100%)

Green (64%)

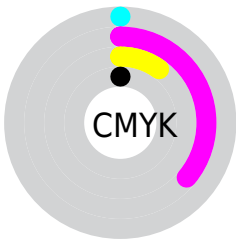
Blue (89%)



Red (100%)

Yellow (64%)

Blue (89%)

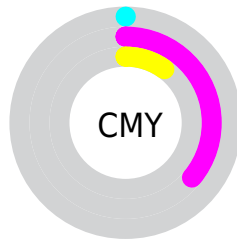


Cyan (0%)

Magenta (36%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 46.994, 336.700 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 78, 46.994, 336.700 by changing the saturation by 10% instead.


 78, 46.994,
336.700


 78, 46.994,
336.700


 100, 46.994,
336.700


 68, 46.994,
336.700


 98, 46.994,
336.700

 58, 46.994,
336.700

 48, 46.994,
336.700

 38, 46.994,
336.700

 28, 46.994,
336.700

 18, 46.994,
336.700

 8, 46.994, 336.700

■ 0, 46.994, 336.700

■ 78, 46.994,
336.700

■ 78, 46.994,
336.700

■ 73, 59.259,
337.471

■ 84, 33.995,
335.796

■ 68, 70.461,
338.420

■ 90, 20.844,
335.036

■ 64, 79.911,
339.481

■ 96, 7.743, 334.296

■ 61, 86.975,
340.703

100, 0.012,
296.813

■ 58, 91.190,
342.150

■ 57, 92.485,
343.901

■ 57, 92.473,
344.680

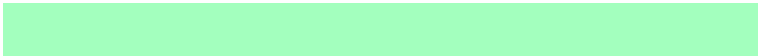
Harmonies

Complementary

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



78, 46.994, 336.700



93, 46.441, 150.869

Rectangle

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



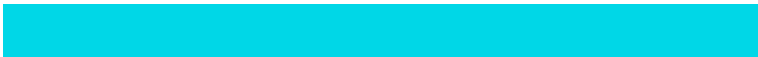
78, 46.994, 336.700



78, 46.994, 26.700



78, 46.994, 156.700



78, 46.994, 206.700

Sweetspot

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



78, 46.930, 336.603



93, 14.305, 334.670



72, 50.738, 303.833



49, 9.621, 334.770



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 46.930, 336.603



74, 55.680, 337.205



77, 36.644, 6.328



50, 7.385, 334.560



43, 74.726, 344.309



11, 35.197, 341.835

Inverse Universe

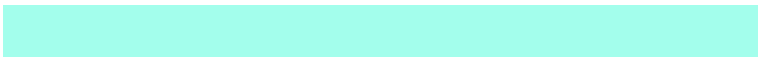
The Inverse Universe completely reimagines the original color for something new.



78, 46.930, 336.603



74, 55.680, 337.205



94, 31.666, 178.476



50, 7.385, 334.560



43, 74.726, 344.309



11, 35.197, 341.835

Previews

White Background



This preview shows how the CIELCh color 78, 46.994, 336.700 looks on a white background.

Color Contrast Check

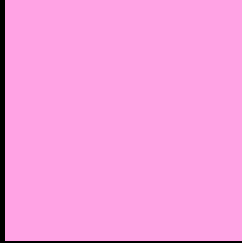
Large Text (above 18pt) WCAG AA × Fail

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 78, 46.994, 336.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

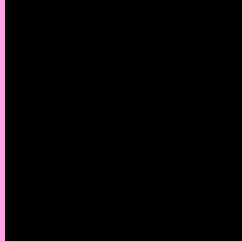
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 46.994, 336.700

Background



This preview shows how black text looks on a background with the CIELCh color 78, 46.994, 336.700.



This preview shows how white text looks on a background with the CIELCh color 78, 46.994, 336.700.

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
78, 46.994, 336.700

Protanopia
78, 30.647, 285.760

Deuteranopia
78, 19.623, 301.007



Tritanopia
78, 30.729, 9.339

Trichromacy



Original Color
78, 46.994, 336.700



Protanomaly
78, 33.521, 308.018



Deuteranomaly
78, 28.764, 320.635

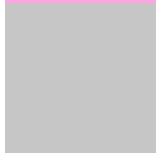


Tritanomaly
78, 35.068, 353.886

Monochromacy



Original Color
78, 46.994, 336.700



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 17.862, 335.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 46.994, 336.700 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, 163, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 228)  
}
```

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, 163, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 46.994, 336.700 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, 163, 228) }
```

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

```
.border{ border-color:rgb(255, 163, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 46.994, 336.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 228) }
```

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

```
.background{ background-color: rgb(255,  
163, 228) }
```

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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