

Converting Colors

CIELCh(78, 50.161, 334.262)

Have a look what the booklet for
CIELCh(78, 50.161, 334.262)
contains.

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Color

CIELCh(78, 49.721, 333.923)

Conversions

Conversions Part 1

Format	Color
Hex	FFA2EA
RGB	255, 162, 234
RGB Percent	100%, 64%, 92%
CMY	0.0000, 0.3636, 0.0812
CMYK	0.00, 0.36, 0.08, 0.00
HSL	313°, 100%, 82%
HSV	313°, 36%, 100%
XYZ	69.2117, 53.2120, 84.6826
YIQ	198.0150, 32.3160, 42.1080

Conversions

Conversions Part 2

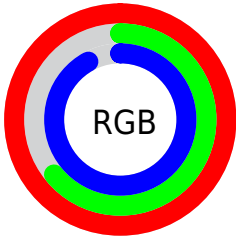
Format	Color
R _Y B	255, 162, 234
Decimal	16753386
CIE _{Lab}	78.00, 44.66, -21.86
CIE _{LCh}	78, 49.721, 333.923
Yxy	53.2120, 0.3342, 0.2569
Android (android.graphics.Color)	4294943466 (0xFFFFA2EA)
YUV	198.0150, 17.7406, 49.9758
Hunter-Lab	72.9466, 41.7043, -17.7663

Details

The CIELCh color $78, 49.721, 333.923$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $93, 49.411, 148.367$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $91, 23.170, 325.231$, and $58, 49.870, 334.031$ is the 20% darker color. If you saturate the color by 10%, you get $73, 62.477, 334.571$, and if you desaturate by 10%, it is $84, 36.161, 333.099$.

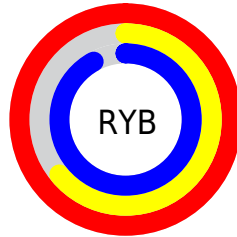
Distribution



Red (100%)

Green (64%)

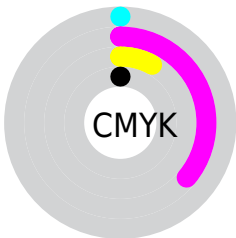
Blue (92%)



Red (100%)

Yellow (64%)

Blue (92%)

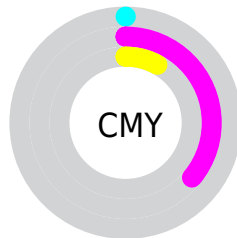


Cyan (0%)

Magenta (36%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 49.721, 333.923 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, 49.721, 333.923 by changing the saturation by 10% instead.


 78, 49.721,
333.923

 78, 49.721,
333.923


 100, 49.721,
333.923

 68, 49.721,
333.923

 98, 49.721,
333.923

 58, 49.721,
333.923

 48, 49.721,
333.923

 38, 49.721,
333.923

 28, 49.721,
333.923

 18, 49.721,
333.923

 8, 49.721, 333.923

■ 0, 49.721, 333.923

■ 78, 49.721,
333.923

■ 78, 49.721,
333.923

■ 73, 62.477,
334.571

■ 84, 36.161,
333.099

■ 68, 74.084,
335.363

■ 90, 22.398,
332.405

■ 64, 83.844,
336.211

■ 96, 8.653, 331.720

■ 61, 91.131,
337.140

100, 0.012,
296.813

■ 59, 95.503,
338.193

■ 58, 96.914,
339.416

■ 57, 96.969,
339.898

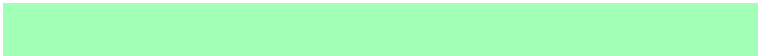
Harmonies

Complementary

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



78, 49.721, 333.923



93, 49.411, 148.367

Rectangle

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



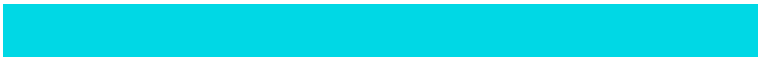
78, 49.721, 333.923



78, 49.721, 23.923



78, 49.721, 153.923



78, 49.721, 203.923

Sweetspot

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



78, 49.657, 333.820



93, 15.015, 332.040



72, 51.089, 301.727



49, 10.097, 332.133



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, 49.657, 333.820



74, 59.540, 334.391



77, 37.662, 1.479



50, 7.753, 331.938



43, 78.323, 339.648



11, 36.752, 337.974

Inverse Universe

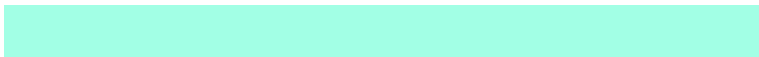
The Inverse Universe completely reimagines the original color for something new.



78, 49.657, 333.820



74, 59.540, 334.391



94, 33.504, 173.411



50, 7.753, 331.938



43, 78.323, 339.648



11, 36.752, 337.974

Previews

White Background



This preview shows how the CIELCh color 78, 49.721, 333.923 looks on a white background.

Color Contrast Check

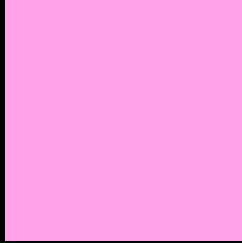
Large Text (above 18pt) WCAG AA × Fail

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, 49.721, 333.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

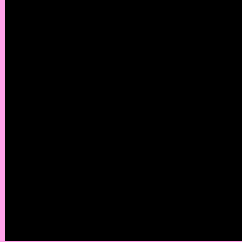
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 49.721, 333.923

Background



This preview shows how black text looks on a background with the CIELCh color 78, 49.721, 333.923.



This preview shows how white text looks on a background with the CIELCh color 78, 49.721, 333.923.

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, 49.721, 333.923

Protanopia
78, 34.425, 285.448

Deuteranopia
78, 21.555, 296.620



Tritanopia
78, 30.347, 9.132

Trichromacy



Original Color
78, 49.721, 333.923



Protanomaly
78, 36.459, 305.768



Deuteranomaly
78, 30.811, 317.059

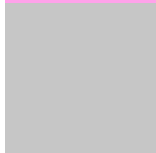


Tritanomaly
78, 35.728, 351.568

Monochromacy



Original Color
78, 49.721, 333.923



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 18.620, 332.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 49.721, 333.923 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, 162, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 234)  
}
```

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, 162, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 49.721, 333.923 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, 162, 234) }
```

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

```
.border{ border-color:rgb(255, 162, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 49.721, 333.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 234) }
```

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

```
.background{ background-color: rgb(255,  
162, 234) }
```

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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