

Converting Colors

CIELCh(79, 53.329, 340.393)

Have a look what the booklet for
CIELCh(79, 53.329, 340.393)
contains.

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Color

CIELCh(77, 50.080, 335.417)

Conversions

Conversions Part 1

Format	Color
Hex	FF9FE6
RGB	255, 159, 230
RGB Percent	100%, 62%, 90%
CMY	0.0017, 0.3780, 0.0996
CMYK	0.00, 0.38, 0.10, 0.00
HSL	316°, 99%, 81%
HSV	316°, 38%, 100%
XYZ	67.6409, 51.5317, 80.9452
YIQ	195.7980, 34.4250, 42.4330

Conversions

Conversions Part 2

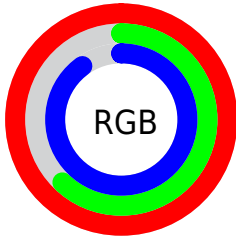
Format	Color
R _{YB}	255, 159, 230
Decimal	16752614
CIE _{Lab}	77.00, 45.54, -20.83
CIE _{LCh}	77, 50.080, 335.417
Yxy	51.5317, 0.3380, 0.2575
Android (android.graphics.Color)	4294942694 (0xFFFF9FE6)
YUV	195.7980, 16.8616, 51.9202
Hunter-Lab	71.7856, 42.5689, -16.6053

Details

The CIELCh color **77, 50.080, 335.417** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **93, 49.702, 149.527**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **90, 25.059, 325.297**, and **57, 50.173, 335.652** is the 20% darker color. If you saturate the color by 10%, you get **72, 62.466, 336.239**, and if you desaturate by 10%, it is **83, 36.977, 334.645**.

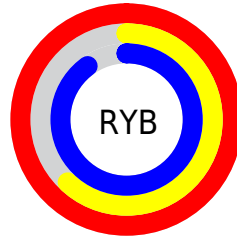
Distribution



Red (100%)

Green (62%)

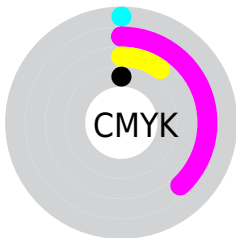
Blue (90%)



Red (100%)

Yellow (62%)

Blue (90%)

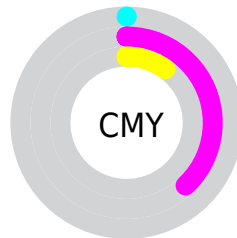


Cyan (0%)

Magenta (38%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 50.080, 335.417 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 77, 50.080, 335.417 by changing the saturation by 10% instead.

 77, 50.080,
335.417

 77, 50.080,
335.417


 100, 50.080,
335.417


 67, 50.080,
335.417


 97, 50.080,
335.417

 57, 50.080,
335.417

 47, 50.080,
335.417

 37, 50.080,
335.417

 27, 50.080,
335.417

 17, 50.080,
335.417

 7, 50.080, 335.417

■ 0, 50.080, 335.417

■ 77, 50.080,
335.417

■ 77, 50.080,
335.417

■ 72, 62.466,
336.239

■ 83, 36.977,
334.645

■ 67, 73.598,
337.124

■ 89, 23.585,
333.912

■ 63, 82.835,
338.100

■ 95, 10.193,
333.200

■ 60, 89.561,
339.207

100, 0.146,
203.926

■ 58, 93.367,
340.499

■ 57, 94.308,
342.037

■ 57, 94.318,
342.415

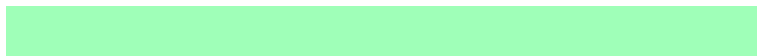
Harmonies

Complementary

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



77, 50.080, 335.417



93, 49.702, 149.527

Rectangle

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



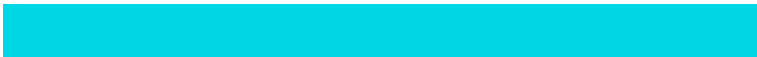
77, 50.080, 335.417



77, 50.080, 25.417



77, 50.080, 155.417



77, 50.080, 205.417

Sweetspot

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



77, 50.077, 335.417



93, 14.625, 333.436



71, 53.123, 302.927



49, 9.836, 333.532



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 50.077, 335.417



73, 59.306, 336.012



76, 38.706, 4.138



50, 7.551, 333.330



43, 76.299, 342.104



11, 35.885, 340.013

Inverse Universe

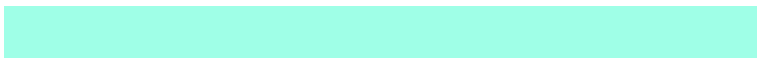
The Inverse Universe completely reimagines the original color for something new.



77, 50.077, 335.417



73, 59.306, 336.012



94, 33.748, 175.710



50, 7.551, 333.330



43, 76.299, 342.104



11, 35.885, 340.013

Previews

White Background



This preview shows how the CIELCh color 77, 50.080, 335.417 looks on a white background.

Color Contrast Check

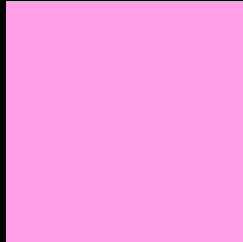
Large Text (above 18pt) WCAG AA × Fail

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 77, 50.080, 335.417 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 77, 50.080, 335.417

Background



This preview shows how black text looks on a background with the CIELCh color 77, 50.080, 335.417.



This preview shows how white text looks on a background with the CIELCh color 77, 50.080, 335.417.

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

77, 50.080, 335.417

Protanopia

77, 33.964, 285.832

Deuteranopia

77, 21.117, 297.646



Tritanopia
77, 32.009, 10.013

Trichromacy



Original Color
77, 50.080, 335.417



Protanomaly
76, 36.736, 306.824



Deuteranomaly
77, 30.704, 318.721

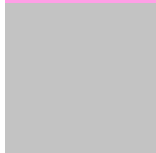


Tritanomaly
77, 36.559, 353.425

Monochromacy



Original Color
77, 50.080, 335.417



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 18.913, 333.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 50.080, 335.417 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, 159, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 230)  
}
```

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, 159, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 50.080, 335.417 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, 159, 230) }
```

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

```
.border{ border-color:rgb(255, 159, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 50.080, 335.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 230) }
```

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

```
.background{ background-color: rgb(255,  
159, 230) }
```

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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