

Converting Colors

CIELCh(76, 51.337, 331.883)

Have a look what the booklet for
CIELCh(76, 51.337, 331.883)
contains.

CIELCh(76, 51.170, 331.987)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 51.170, 331.987)

Conversions

Conversions Part 1

Format	Color
Hex	F99DE9
RGB	249, 157, 233
RGB Percent	98%, 62%, 91%
CMY	0.0253, 0.3859, 0.0880
CMYK	0.00, 0.37, 0.06, 0.03
HSL	310°, 88%, 79%
HSV	310°, 37%, 97%
XYZ	65.5374, 49.8872, 82.9385
YIQ	193.1720, 30.4360, 43.1400

Conversions

Conversions Part 2

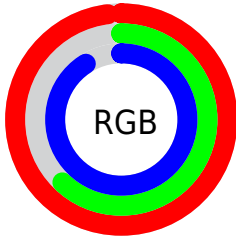
Format	Color
R _Y B	249, 157, 233
Decimal	16358889
CIE Lab	76.00, 45.17, -24.03
CIE LCh	76, 51.170, 331.987
Yxy	49.8872, 0.3304, 0.2515
Android (android.graphics.Color)	4294548969 (0xFFFF99DE9)
YUV	193.1720, 19.6352, 48.9612
Hunter-Lab	70.6309, 42.0236, -20.1798

Details

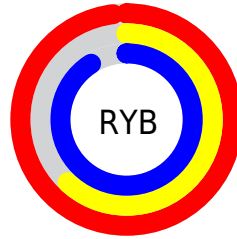
The CIELCh color **76, 51.170, 331.987** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 51.062, 146.657**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 26.319, 325.341**, and **56, 51.380, 332.004** is the 20% darker color. If you saturate the color by 10%, you get **71, 64.070, 332.664**, and if you desaturate by 10%, it is **82, 37.541, 331.323**.

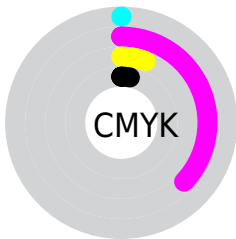
Distribution



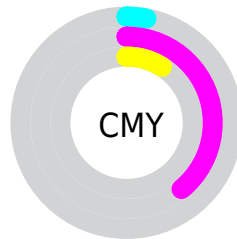
- Red (98%)
- Green (62%)
- Blue (91%)



- Red (98%)
- Yellow (62%)
- Blue (91%)



- Cyan (0%)
- Magenta (37%)
- Yellow (6%)
- Black (3%)





- Cyan (3%)
- Magenta (39%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 51.170, 331.987 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 76, 51.170, 331.987 by changing the saturation by 10% instead.


 76, 51.170,
331.987


 76, 51.170,
331.987


 100, 51.170,
331.987


 66, 51.170,
331.987


 96, 51.170,
331.987

 56, 51.170,
331.987

 46, 51.170,
331.987

 36, 51.170,
331.987

 26, 51.170,
331.987

 16, 51.170,
331.987

 6, 51.170, 331.987

0, 51.170, 331.987

76, 51.170,
331.987

76, 51.170,
331.987

71, 64.070,
332.664

82, 37.541,
331.323

66, 75.710,
333.354

87, 23.609,
330.671

63, 85.465,
334.065

93, 9.667, 330.022

60, 92.736,
334.809

99, 3.471, 150.510

58, 97.116,
335.612

100, 2.284,
188.845

57, 98.612,
336.508

100, 2.237,
199.560

■ 57, 98.744,
336.790

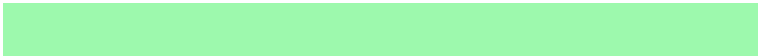
Harmonies

Complementary

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



76, 51.170, 331.987



91, 51.062, 146.657

Rectangle

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



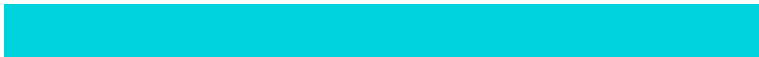
76, 51.170, 331.987



76, 51.170, 21.987



76, 51.170, 151.987



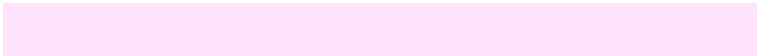
76, 51.170, 201.987

Sweetspot

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



76, 51.167, 331.987



93, 15.551, 330.285



69, 50.852, 300.208



49, 10.457, 330.372



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 51.167, 331.987



74, 61.565, 332.464



75, 38.199, 358.020



49, 7.898, 330.186



43, 80.465, 336.619



11, 37.020, 335.382

Inverse Universe

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



76, 51.167, 331.987



74, 61.565, 332.464



92, 34.634, 169.869



49, 7.898, 330.186



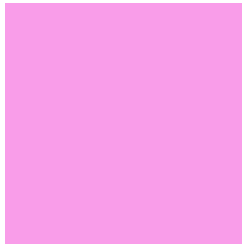
43, 80.465, 336.619



11, 37.020, 335.382

Previews

White Background



This preview shows how the CIELCh color 76, 51.170, 331.987 looks on a white background.

Color Contrast Check

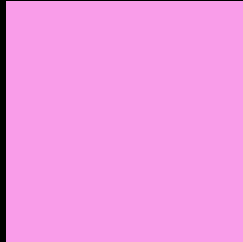
Large Text (above 18pt) WCAG AA × Fail

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 76, 51.170, 331.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

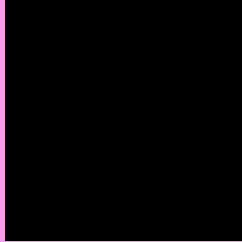
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 51.170, 331.987

Background



This preview shows how black text looks on a background with the CIELCh color 76, 51.170, 331.987.

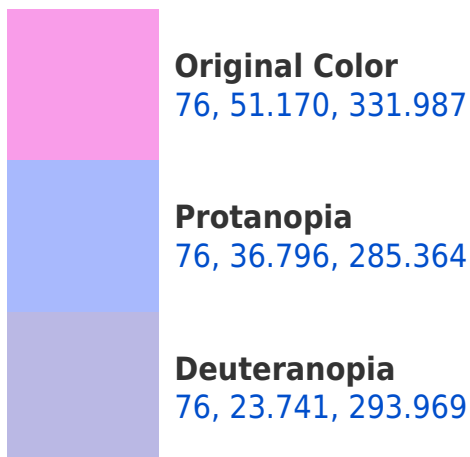



This preview shows how white text looks on a background with the CIELCh color 76, 51.170, 331.987.

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





Tritanopia
76, 29.740, 8.792

Trichromacy



Original Color
76, 51.170, 331.987



Protanomaly
76, 39.153, 304.104



Deuteranomaly
76, 32.635, 314.365



Tritanomaly
76, 35.477, 350.155

Monochromacy



Original Color
76, 51.170, 331.987



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 18.865, 330.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 51.170, 331.987 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(249, 157, 233)` looks like.

```
.text, #text, p{  
    color:rgb(249, 157, 233)  
}
```

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(249, 157, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 157, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 51.170, 331.987 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(249, 157, 233) }
```

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

```
.border{ border-color:rgb(249, 157, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 157, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 157, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 157, 233);  
box-shadow:4px 4px 4px 4px rgb(249, 157,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 51.170, 331.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 157, 233) }
```

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

```
.background{ background-color: rgb(249,  
157, 233) }
```

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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