

Converting Colors

CIELCh(76, 52.768, 335.979)

Have a look what the booklet for
CIELCh(76, 52.768, 335.979)
contains.

CIELCh(76, 52.929, 335.787)	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, 52.929, 335.787)

Conversions

Conversions Part 1

Format	Color
Hex	FF99E4
RGB	255, 153, 228
RGB Percent	100%, 60%, 89%
CMY	0.0000, 0.3984, 0.1042
CMYK	0.00, 0.40, 0.10, 0.00
HSL	316°, 100%, 80%
HSV	316°, 40%, 100%
XYZ	66.9259, 49.8872, 79.8110
YIQ	192.0480, 36.7170, 44.9490

Conversions

Conversions Part 2

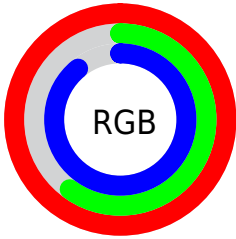
Format	Color
RYB	255, 153, 228
Decimal	16751076
CIELab	76.00, 48.27, -21.71
CIElCh	76, 52.929, 335.787
Yxy	49.8872, 0.3404, 0.2537
Android (android.graphics.Color)	4294941156 (0xFFFF99E4)
YUV	192.0480, 17.7243, 55.2089
Hunter-Lab	70.6309, 45.5326, -17.5545

Details

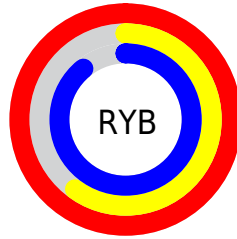
The CIELCh color $76, 52.929, 335.787$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $92, 52.451, 149.330$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 28.837, 325.429$, and $56, 52.951, 336.121$ is the 20% darker color. If you saturate the color by 10%, you get $71, 65.010, 336.478$, and if you desaturate by 10%, it is $82, 39.838, 334.858$.

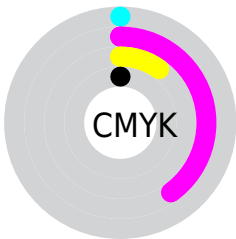
Distribution



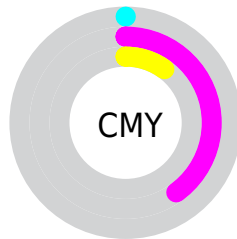
- Red (100%)
- Green (60%)
- Blue (89%)



- Red (100%)
- Yellow (60%)
- Blue (89%)



- Cyan (0%)
- Magenta (40%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 52.929, 335.787 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, 52.929, 335.787 by changing the saturation by 10% instead.


 76, 52.929,
335.787


 76, 52.929,
335.787


 100, 52.929,
335.787


 66, 52.929,
335.787


 96, 52.929,
335.787

 56, 52.929,
335.787

 46, 52.929,
335.787

 36, 52.929,
335.787

 26, 52.929,
335.787

 16, 52.929,
335.787

 6, 52.929, 335.787

■ 0, 52.929, 335.787

■ 76, 52.929,
335.787

■ 76, 52.929,
335.787

■ 71, 65.010,
336.478

■ 82, 39.838,
334.858

■ 66, 75.796,
337.384

■ 88, 26.473,
334.116

■ 63, 84.548,
338.388

■ 94, 13.056,
333.402

■ 60, 90.673,
339.535

100, 0.012,
296.813

■ 58, 93.835,
340.884

■ 57, 94.353,
342.478

■ 57, 94.353,
342.506

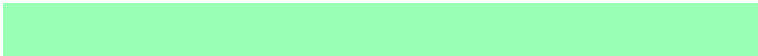
Harmonies

Complementary

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



76, 52.929, 335.787



92, 52.451, 149.330

Rectangle

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



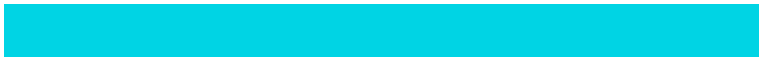
76, 52.929, 335.787



76, 52.929, 25.787



76, 52.929, 155.787



76, 52.929, 205.787

Sweetspot

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



76, 52.833, 335.642



92, 15.951, 333.555



69, 56.422, 303.142



48, 10.589, 333.648



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, 52.833, 335.642



72, 62.860, 336.320



74, 41.063, 4.511



50, 7.544, 333.378



43, 76.233, 342.191



11, 35.856, 340.085

Inverse Universe

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



76, 52.833, 335.642



72, 62.860, 336.320



93, 35.507, 175.458



50, 7.544, 333.378



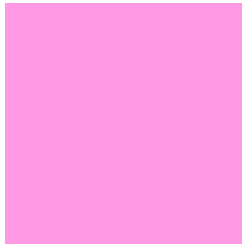
43, 76.233, 342.191



11, 35.856, 340.085

Previews

White Background



This preview shows how the CIELCh color 76, 52.929, 335.787 looks on a white background.

Color Contrast Check

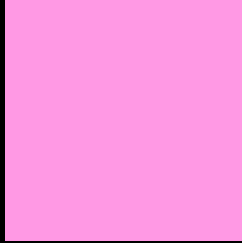
Large Text (above 18pt) WCAG AA × Fail

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, 52.929, 335.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

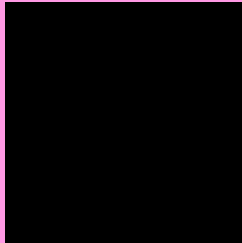
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 52.929, 335.787

Background



This preview shows how black text looks on a background with the CIELCh color 76, 52.929, 335.787.



This preview shows how white text looks on a background with the CIELCh color 76, 52.929, 335.787.

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

76, 52.929, 335.787

Protanopia

76, 35.709, 285.461

Deuteranopia

76, 21.682, 296.664



Tritanopia
76, 33.661, 11.741

Trichromacy



Original Color
76, 52.929, 335.787



Protanomaly
75, 38.395, 306.328



Deuteranomaly
75, 31.905, 318.458

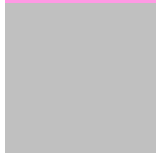


Tritanomaly
76, 38.526, 354.417

Monochromacy



Original Color
76, 52.929, 335.787



Achromatopsia
78, 0.009, 296.813



Achromatomaly
76, 19.854, 334.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 52.929, 335.787 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, 153, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 52.929, 335.787 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, 153, 228) }
```

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

```
.border{ border-color:rgb(255, 153, 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, 153, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 52.929, 335.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 228) }
```

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

```
.background{ background-color: rgb(255,  
153, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor