

Converting Colors

CIELCh(83, 83.776, 13.144)

Have a look what the booklet for
CIELCh(83, 83.776, 13.144) contains.

CIELCh(70, 52.682, 357.967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 52.682, 357.967)

Conversions

Conversions Part 1

Format	Color
Hex	FF82B0
RGB	255, 130, 176
RGB Percent	100%, 51%, 69%
CMY	0.0000, 0.4888, 0.3085
CMYK	0.00, 0.49, 0.31, 0.00
HSL	338°, 100%, 76%
HSV	338°, 49%, 100%
XYZ	57.6888, 40.7494, 46.0681
YIQ	172.6190, 59.7340, 40.8060

Conversions

Conversions Part 2

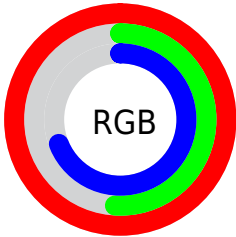
Format	Color
R_{YB}	255, 130, 176
Decimal	16745136
CIE _{Lab}	70.00, 52.65, -1.87
CIE _{LCh}	70, 52.682, 357.967
Yxy	40.7494, 0.3992, 0.2820
Android (android.graphics.Color)	4294935216 (0xFFFF82B0)
YUV	172.6190, 1.6668, 72.2481
Hunter-Lab	63.8353, 49.6012, 1.8967

Details

The CIELCh color **70, 52.682, 357.967** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **92, 46.792, 165.987**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 34.409, 337.705**, and **50, 52.114, 357.480** is the 20% darker color. If you saturate the color by 10%, you get **65, 62.052, 359.722**, and if you desaturate by 10%, it is **75, 41.601, 355.879**.

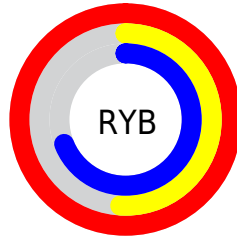
Distribution



Red (100%)

Green (51%)

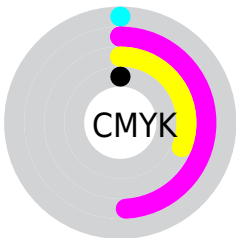
Blue (69%)



Red (100%)

Yellow (51%)

Blue (69%)

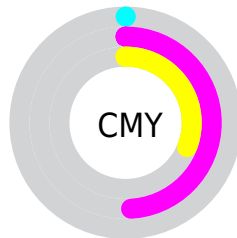


Cyan (0%)

Magenta (49%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 52.682, 357.967 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 70, 52.682, 357.967 by changing the saturation by 10% instead.


 70, 52.682,
357.967


 70, 52.682,
357.967


 100, 52.682,
357.967


 60, 52.682,
357.967


 90, 52.682,
357.967

 50, 52.682,
357.967

 40, 52.682,
357.967

 30, 52.682,
357.967

 20, 52.682,
357.967

 10, 52.682,
357.967

 0, 52.682, 357.967

■ 70, 52.682,
357.967

■ 70, 52.682,
357.967

■ 65, 62.052,
359.722

■ 75, 41.601,
355.879

■ 61, 70.614, 2.389

■ 81, 30.699,
354.447

■ 58, 77.401, 5.782

■ 88, 19.821,
353.224

■ 55, 82.197, 10.074

■ 54, 85.380, 15.277

■ 94, 9.174, 352.141

■ 54, 85.730, 15.875

■ 100, 0.012,
296.813

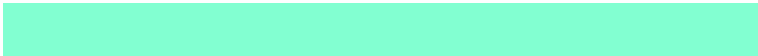
Harmonies

Complementary

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



70, 52.682, 357.967



92, 46.792, 165.987

Rectangle

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



70, 52.682, 357.967



70, 52.682, 47.967



70, 52.682, 177.967



70, 52.682, 227.967

Sweetspot

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



70, 52.202, 357.601



90, 15.654, 352.792



67, 71.919, 315.195



47, 10.715, 353.024



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 52.202, 357.601



65, 62.162, 359.750



72, 47.684, 33.013



50, 5.879, 352.207



41, 68.823, 14.825



10, 31.286, 7.448

Inverse Universe

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



70, 52.202, 357.601



65, 62.162, 359.750



89, 32.537, 211.067



50, 5.879, 352.207



41, 68.823, 14.825



10, 31.286, 7.448

Previews

White Background



This preview shows how the CIELCh color 70, 52.682, 357.967 looks on a white background.

Color Contrast Check

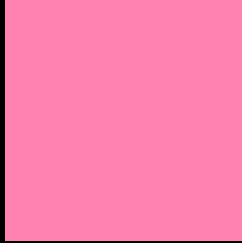
Large Text (above 18pt) WCAG AA × Fail

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 70, 52.682, 357.967 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 70, 52.682, 357.967

Background



This preview shows how black text looks on a background with the CIELCh color 70, 52.682, 357.967.

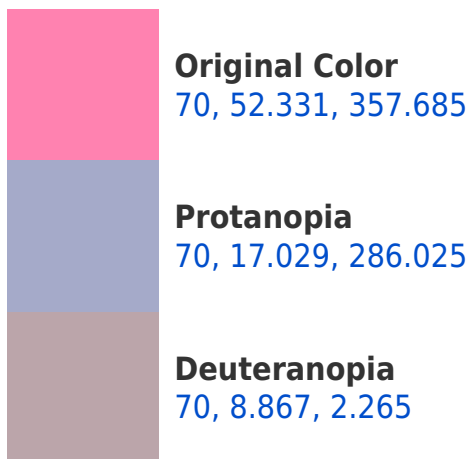


This preview shows how white text looks on a background with the CIELCh color 70, 52.682, 357.967.

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
70, 47.238, 18.089

Trichromacy



Original Color
70, 52.331, 357.685



Protanomaly
69, 25.055, 329.871



Deuteranomaly
69, 25.458, 356.723

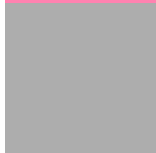


Tritanomaly
70, 48.188, 10.180

Monochromacy



Original Color
70, 52.331, 357.685



Achromatopsia
71, 0.009, 296.813



Achromatomaly
69, 19.873, 353.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 52.682, 357.967 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, 130, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 176)  
}
```

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, 130, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 52.682, 357.967 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, 130, 176) }
```

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

```
.border{ border-color:rgb(255, 130, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 52.682, 357.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 176) }
```

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

```
.background{ background-color: rgb(255,  
130, 176) }
```

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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