

Converting Colors

CIELCh(77, 65.601, 350.532)

Have a look what the booklet for
CIELCh(77, 65.601, 350.532)
contains.

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Color

CIELCh(72, 56.872, 340.998)

Conversions

Conversions Part 1

Format	Color
Hex	FF89D4
RGB	255, 137, 212
RGB Percent	100%, 54%, 83%
CMY	0.0019, 0.4645, 0.1704
CMYK	0.00, 0.46, 0.17, 0.00
HSL	322°, 99%, 77%
HSV	322°, 46%, 100%
XYZ	61.7650, 43.6590, 67.1534
YIQ	180.8320, 46.2530, 48.3410

Conversions

Conversions Part 2

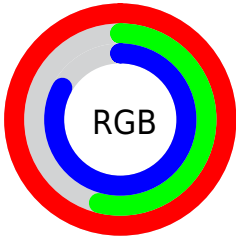
Format	Color
R_{YB}	255, 137, 212
Decimal	16746964
CIE _{Lab}	72.00, 53.77, -18.52
CIE _{LCh}	72, 56.872, 340.998
Yxy	43.6590, 0.3579, 0.2530
Android (android.graphics.Color)	4294937044 (0xFFFF89D4)
YUV	180.8320, 15.3658, 65.0453
Hunter-Lab	66.0750, 51.2255, -14.0052

Details

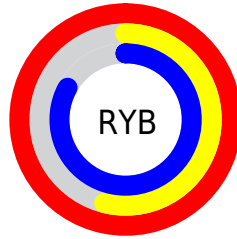
The CIELCh color $72, 56.872, 340.998$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $92, 55.786, 152.518$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $85, 38.882, 325.774$, and $52, 56.522, 341.189$ is the 20% darker color. If you saturate the color by 10%, you get $67, 67.581, 342.150$, and if you desaturate by 10%, it is $77, 45.089, 339.982$.

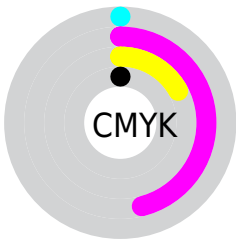
Distribution



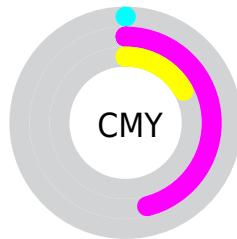
- Red (100%)
- Green (54%)
- Blue (83%)



- Red (100%)
- Yellow (54%)
- Blue (83%)



- Cyan (0%)
- Magenta (46%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (46%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 56.872, 340.998 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 72, 56.872, 340.998 by changing the saturation by 10% instead.


 72, 56.872,
340.998


 72, 56.872,
340.998


 100, 56.872,
340.998


 62, 56.872,
340.998


 92, 56.872,
340.998

 52, 56.872,
340.998

 42, 56.872,
340.998

 32, 56.872,
340.998

 22, 56.872,
340.998

 12, 56.872,
340.998

 2, 56.872, 340.998

■ 0, 56.872, 340.998

■ 72, 56.872,
340.998

■ 72, 56.872,
340.998

■ 67, 67.581,
342.150

■ 77, 45.089,
339.982

■ 63, 76.610,
343.488

■ 83, 32.753,
339.064

■ 60, 83.329,
345.090

■ 89, 20.236,
338.220

■ 57, 87.287,
347.055

■ 96, 7.792, 337.414

■ 56, 88.447,
349.496

100, 0.171,
203.274

■ 56, 88.456,
350.484

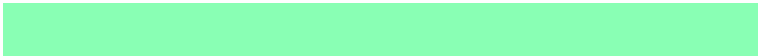
Harmonies

Complementary

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



72, 56.872, 340.998



92, 55.786, 152.518

Rectangle

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



72, 56.872, 340.998



72, 56.872, 30.998



72, 56.872, 160.998



72, 56.872, 210.998

Sweetspot

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



72, 56.869, 340.999



91, 17.330, 338.030



65, 66.532, 306.816



47, 11.982, 338.204



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 56.869, 340.999



67, 67.339, 342.108



70, 47.668, 13.329



50, 7.012, 337.670



42, 71.583, 349.964



11, 33.757, 346.482

Inverse Universe

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



72, 56.869, 340.999



67, 67.339, 342.108



93, 37.628, 182.908



50, 7.012, 337.670



42, 71.583, 349.964



11, 33.757, 346.482

Previews

White Background



This preview shows how the CIELCh color 72, 56.872, 340.998 looks on a white background.

Color Contrast Check

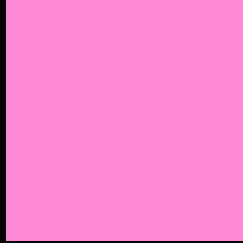
Large Text (above 18pt) WCAG AA × Fail

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 72, 56.872, 340.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

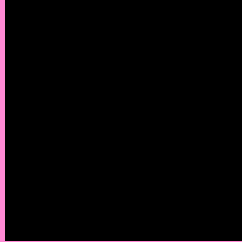
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 56.872, 340.998

Background



This preview shows how black text looks on a background with the CIELCh color 72, 56.872, 340.998.

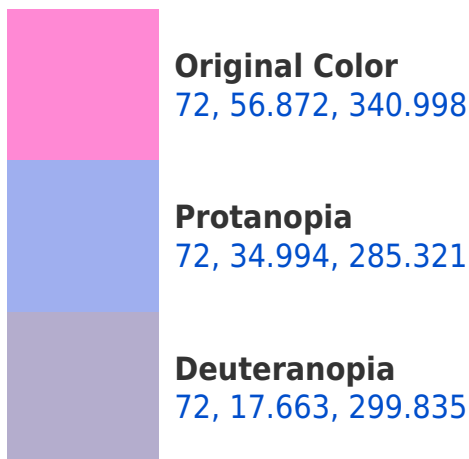


This preview shows how white text looks on a background with the CIELCh color 72, 56.872, 340.998.

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
72, 41.053, 15.457

Trichromacy



Original Color
72, 56.872, 340.998



Protanomaly
71, 38.902, 310.032



Deuteranomaly
71, 30.661, 325.671



Tritanomaly
72, 44.629, 0.346

Monochromacy



Original Color
72, 56.872, 340.998



Achromatopsia
73, 0.009, 296.813



Achromatomaly
72, 21.682, 338.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 56.872, 340.998 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, 137, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 212)  
}
```

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, 137, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 56.872, 340.998 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, 137, 212) }
```

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

```
.border{ border-color:rgb(255, 137, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 56.872, 340.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 212) }
```

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

```
.background{ background-color: rgb(255,  
137, 212) }
```

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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