

Converting Colors

CIELCh(70, 49.722, 6.806)

Have a look what the booklet for
CIELCh(70, 49.722, 6.806) contains.

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Color

CIELCh(70, 49.538, 6.991)

Conversions

Conversions Part 1

Format	Color
Hex	FF85A2
RGB	255, 133, 162
RGB Percent	100%, 52%, 64%
CMY	0.0000, 0.4776, 0.3639
CMYK	0.00, 0.48, 0.36, 0.00
HSL	346°, 100%, 76%
HSV	346°, 48%, 100%
XYZ	56.2782, 40.7494, 39.1737
YIQ	172.7840, 63.4030, 34.8830

Conversions

Conversions Part 2

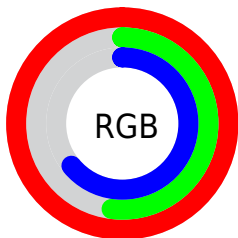
Format	Color
RYB	255, 133, 162
Decimal	16745890
CIELab	70.00, 49.17, 6.03
CIElCh	70, 49.538, 6.991
Yxy	40.7494, 0.4132, 0.2992
Android (android.graphics.Color)	4294935970 (0xFFFF85A2)
YUV	172.7840, -5.3165, 72.1034
Hunter-Lab	63.8353, 45.6566, 8.3003

Details

The CIELCh color **70, 49.538, 6.991** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **93, 41.165, 175.412**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 28.229, 350.514**, and **50, 49.615, 6.645** is the 20% darker color. If you saturate the color by 10%, you get **65, 59.816, 9.346**, and if you desaturate by 10%, it is **76, 38.727, 5.037**.

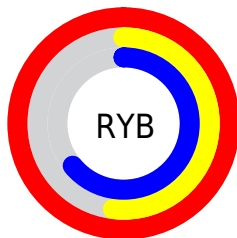
Distribution



Red (100%)

Green (52%)

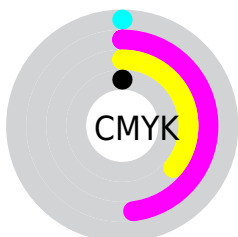
Blue (64%)



Red (100%)

Yellow (52%)

Blue (64%)

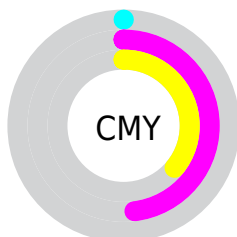


Cyan (0%)

Magenta (48%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (48%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 49.538, 6.991 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, 49.538, 6.991 by changing the saturation by 10% instead.

 70, 49.538, 6.991  70, 49.538, 6.991

 100, 49.538, 6.991  60, 49.538, 6.991

 90, 49.538, 6.991  50, 49.538, 6.991

 40, 49.538, 6.991


 30, 49.538, 6.991

 20, 49.538, 6.991

 10, 49.538, 6.991

 0, 49.538, 6.991

 70, 49.538, 6.991  70, 49.538, 6.991

 65, 59.816, 9.346  76, 38.727, 5.037

■ 61, 69.367, 12.387

■ 82, 28.007, 3.482

■ 57, 77.692, 16.235

■ 88, 17.546, 2.185

■ 55, 84.603, 20.982

■ 95, 7.487, 1.055

■ 54, 90.315, 26.470

100, 0.012,
296.813

■ 54, 91.573, 27.682

Harmonies

Complementary

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



70, 49.538, 6.991



93, 41.165, 175.412

Rectangle

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



70, 49.538, 6.991



70, 49.538, 56.991



70, 49.538, 186.991



70, 49.538, 236.991

Sweetspot

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



70, 49.452, 6.949



91, 13.711, 1.747



69, 71.490, 319.314



47, 9.513, 1.996



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, 49.452, 6.949



65, 59.050, 9.143



76, 42.732, 44.306



50, 5.508, 1.247



40, 73.151, 26.614



10, 31.765, 16.692

Inverse Universe

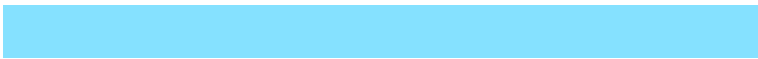
The Inverse Universe completely reimagines the original color for something new.



70, 49.452, 6.949



65, 59.050, 9.143



85, 30.297, 230.142



50, 5.508, 1.247



40, 73.151, 26.614



10, 31.765, 16.692

Previews

White Background



This preview shows how the CIELCh color 70, 49.538, 6.991 looks on a white background.

Color Contrast Check

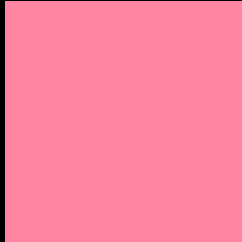
Large Text (above 18pt) WCAG AA × Fail

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, 49.538, 6.991 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, 49.538, 6.991

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.538, 6.991.

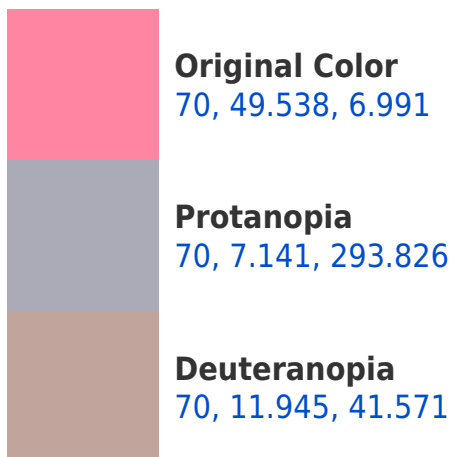


This preview shows how white text looks on a background with the CIELCh color 70, 49.538, 6.991.

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, 48.039, 18.291

Trichromacy



Original Color
70, 49.538, 6.991



Protanomaly
69, 19.765, 351.576



Deuteranomaly
69, 25.227, 14.493



Tritanomaly
70, 48.163, 13.979

Monochromacy



Original Color
70, 49.538, 6.991



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 17.875, 3.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.538, 6.991 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, 133, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 162)  
}
```

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, 133, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.538, 6.991 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, 133, 162) }
```

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

```
.border{ border-color:rgb(255, 133, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.538, 6.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 162) }
```

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

```
.background{ background-color: rgb(255,  
133, 162) }
```

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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