

Converting Colors

CIELCh(70, 51.289, 0.067)

Have a look what the booklet for
CIELCh(70, 51.289, 0.067) contains.

CIELCh(70, 50.950, 0.002)	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, 50.950, 0.002)

Conversions

Conversions Part 1

Format	Color
Hex	FF84AD
RGB	255, 132, 173
RGB Percent	100%, 52%, 68%
CMY	0.0003, 0.4826, 0.3218
CMYK	0.00, 0.48, 0.32, 0.00
HSL	340°, 100%, 76%
HSV	340°, 48%, 100%
XYZ	56.9971, 40.7494, 44.3676
YIQ	173.4510, 60.1470, 38.8270

Conversions

Conversions Part 2

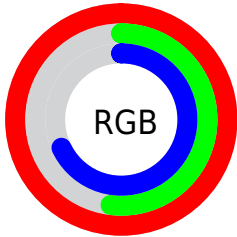
Format	Color
R_{YB}	255, 132, 173
Decimal	16745645
CIE Lab	70.00, 50.95, 0.00
CIE LCh	70, 50.950, 0.002
Yxy	40.7494, 0.4011, 0.2867
Android (android.graphics.Color)	4294935725 (0xFFFF84AD)
YUV	173.4510, -0.2223, 71.5185
Hunter-Lab	63.8353, 47.6670, 3.4762

Details

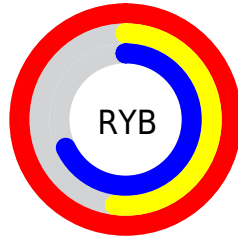
The CIELCh color **70, 50.950, 0.002** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **92, 44.871, 168.405**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 31.878, 340.923**, and **50, 50.821, 359.858** is the 20% darker color. If you saturate the color by 10%, you get **65, 60.923, 2.203**, and if you desaturate by 10%, it is **76, 40.335, 358.226**.

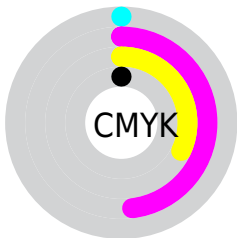
Distribution



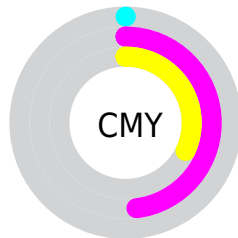
- Red (100%)
- Green (52%)
- Blue (68%)



- Red (100%)
- Yellow (52%)
- Blue (68%)



- Cyan (0%)
- Magenta (48%)
- Yellow (32%)
- Black (0%)



- Cyan (0%)
- Magenta (48%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 50.950, 0.002 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, 50.950, 0.002 by changing the saturation by 10% instead.

 70, 50.950, 0.002  70, 50.950, 0.002

 100, 50.950, 0.002  60, 50.950, 0.002

 90, 50.950, 0.002  50, 50.950, 0.002

 40, 50.950, 0.002

 30, 50.950, 0.002

 20, 50.950, 0.002

 10, 50.950, 0.002

 0, 50.950, 0.002

 70, 50.950, 0.002  70, 50.950, 0.002

 65, 60.923, 2.203  76, 40.335,

61, 69.754, 4.977	358.226
57, 76.966, 8.505	82, 29.514, 356.755
55, 82.345, 12.950	88, 18.785, 355.507
54, 86.210, 18.308	94, 8.336, 354.404
54, 86.876, 19.272	100, 0.024, 228.547

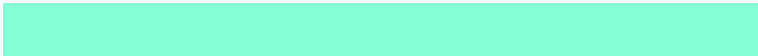
Harmonies

Complementary

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



70, 50.950, 0.002



92, 44.871, 168.405

Rectangle

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



70, 50.950, 0.002



70, 50.950, 50.002



70, 50.950, 180.002



70, 50.950, 230.002

Sweetspot

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



70, 50.947, 0.004



91, 14.313, 355.027



68, 71.387, 316.731



47, 9.919, 355.268



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, 50.947, 0.004



65, 60.705, 2.144



73, 45.349, 36.942



50, 5.764, 354.540



40, 69.656, 18.194



10, 31.347, 10.305

Inverse Universe

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



70, 50.947, 0.004



65, 60.705, 2.144



88, 31.206, 217.913



50, 5.764, 354.540



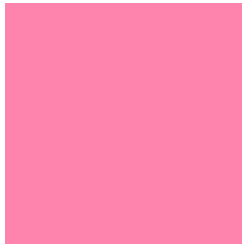
40, 69.656, 18.194



10, 31.347, 10.305

Previews

White Background



This preview shows how the CIELCh color 70, 50.950, 0.002 looks on a white background.

Color Contrast Check

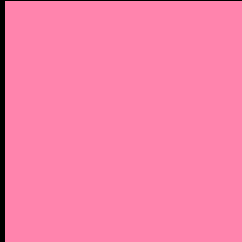
Large Text (above 18pt) WCAG AA × Fail

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, 50.950, 0.002 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, 50.950, 0.002

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.950, 0.002.

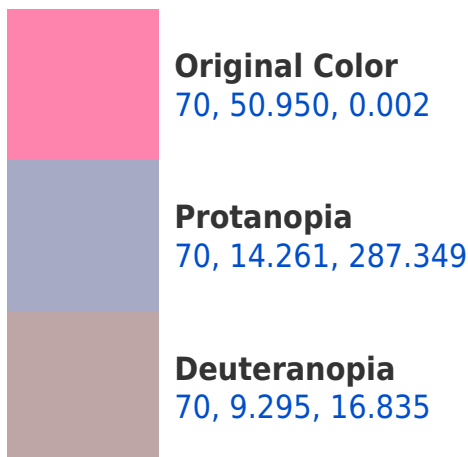


This preview shows how white text looks on a background with the CIELCh color 70, 50.950, 0.002.

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



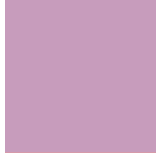


Tritanopia
70, 47.185, 18.053

Trichromacy



Original Color
70, 50.950, 0.002



Protanomaly
69, 23.686, 333.993



Deuteranomaly
70, 24.625, 2.602



Tritanomaly
70, 48.123, 11.421

Monochromacy



Original Color
70, 50.950, 0.002



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 19.085, 355.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.950, 0.002 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, 132, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 173)  
}
```

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, 132, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.950, 0.002 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, 132, 173) }
```

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

```
.border{ border-color:rgb(255, 132, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.950, 0.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 173) }
```

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

```
.background{ background-color: rgb(255,  
132, 173) }
```

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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