

Converting Colors

CIELCh(70, 51.373, 2.135)

Have a look what the booklet for
CIELCh(70, 51.373, 2.135) contains.

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Color

CIELCh(70, 51.093, 1.445)

Conversions

Conversions Part 1

Format	Color
Hex	FF84AB
RGB	255, 132, 171
RGB Percent	100%, 52%, 67%
CMY	0.0000, 0.4836, 0.3307
CMYK	0.00, 0.48, 0.33, 0.00
HSL	341°, 100%, 76%
HSV	341°, 48%, 100%
XYZ	57.0485, 40.7494, 43.2226
YIQ	173.2230, 60.7890, 38.2050

Conversions

Conversions Part 2

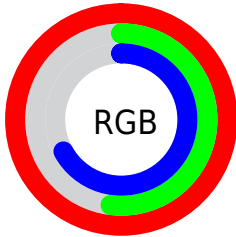
Format	Color
R_{YB}	255, 132, 171
Decimal	16745643
CIE _{Lab}	70.00, 51.08, 1.29
CIE _{LCh}	70, 51.093, 1.445
Yxy	40.7494, 0.4045, 0.2890
Android (android.graphics.Color)	4294935723 (0xFFFF84AB)
YUV	173.2230, -1.0959, 71.7184
Hunter-Lab	63.8353, 47.8108, 4.5397

Details

The CIELCh color **70, 51.093, 1.445** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **92, 44.325, 169.567**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 31.259, 342.433**, and **50, 50.607, 1.125** is the 20% darker color. If you saturate the color by 10%, you get **65, 60.847, 3.527**, and if you desaturate by 10%, it is **75, 40.221, 359.457**.

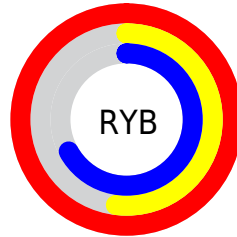
Distribution



Red (100%)

Green (52%)

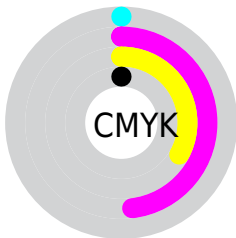
Blue (67%)



Red (100%)

Yellow (52%)

Blue (67%)

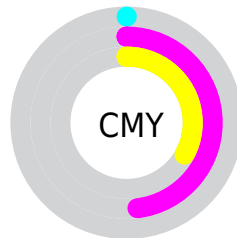


Cyan (0%)

Magenta (48%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 51.093, 1.445 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, 51.093, 1.445 by changing the saturation by 10% instead.

 70, 51.093, 1.445  70, 51.093, 1.445

 100, 51.093, 1.445  60, 51.093, 1.445

 90, 51.093, 1.445  50, 51.093, 1.445

 40, 51.093, 1.445

 30, 51.093, 1.445

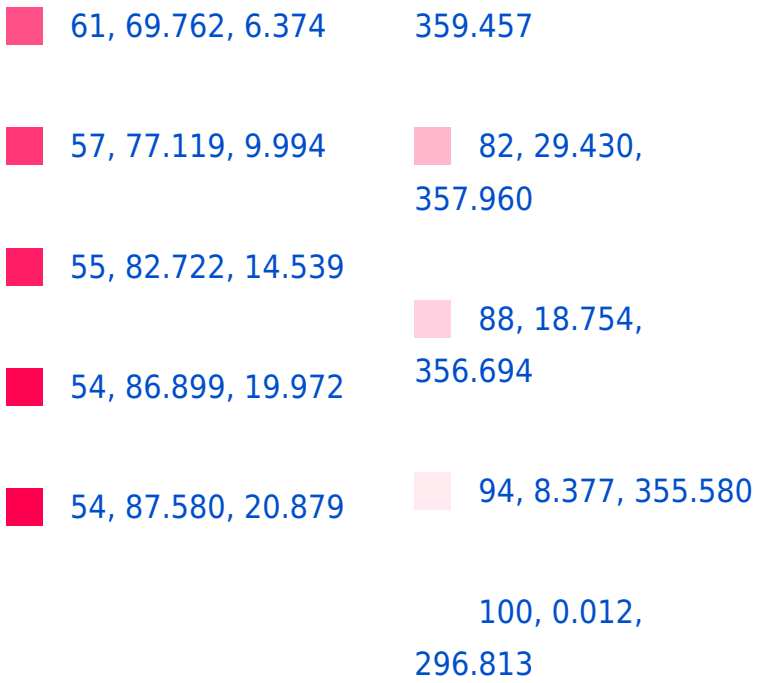
 20, 51.093, 1.445

 10, 51.093, 1.445

 0, 51.093, 1.445

 70, 51.093, 1.445  70, 51.093, 1.445

 65, 60.847, 3.527  75, 40.221,



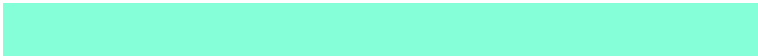
Harmonies

Complementary

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



70, 51.093, 1.445



92, 44.325, 169.567

Rectangle

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



70, 51.093, 1.445



70, 51.093, 51.445



70, 51.093, 181.445



70, 51.093, 231.445

Sweetspot

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



70, 50.832, 1.273



90, 15.232, 356.308



68, 71.712, 317.256



47, 10.432, 356.548



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, 50.832, 1.273



65, 60.506, 3.437



74, 45.004, 38.356



50, 5.712, 355.704



40, 70.158, 19.792



10, 31.400, 11.596

Inverse Universe

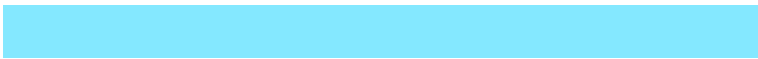
The Inverse Universe completely reimagines the original color for something new.



70, 50.832, 1.273



65, 60.506, 3.437



87, 31.025, 220.322



50, 5.712, 355.704



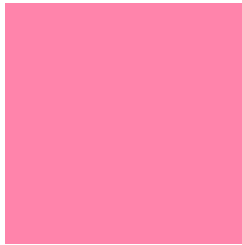
40, 70.158, 19.792



10, 31.400, 11.596

Previews

White Background



This preview shows how the CIELCh color 70, 51.093, 1.445 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, 51.093, 1.445 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, 51.093, 1.445

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.093, 1.445.

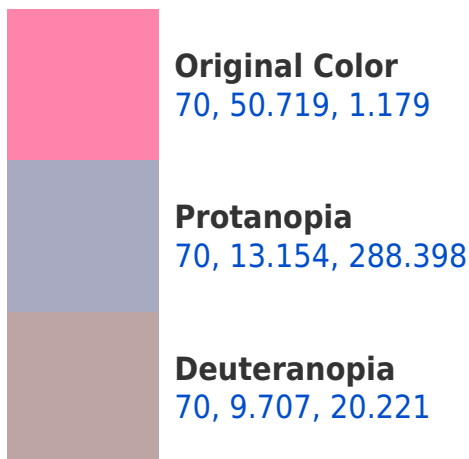


This preview shows how white text looks on a background with the CIELCh color 70, 51.093, 1.445.

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, 47.638, 18.191

Trichromacy



Original Color
70, 50.719, 1.179



Protanomaly
69, 23.187, 336.599



Deuteranomaly
69, 24.908, 4.176

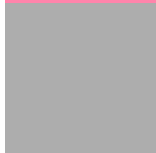


Tritanomaly
70, 48.550, 11.617

Monochromacy



Original Color
70, 50.719, 1.179



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 18.892, 357.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.093, 1.445 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.093, 1.445 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, 171) }
```

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

```
.border{ border-color:rgb(255, 132, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.093, 1.445 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, 171) }
```

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

```
.background{ background-color: rgb(255,  
132, 171) }
```

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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