

Converting Colors

CIELCh(68, 38.725, 0.953)

Have a look what the booklet for
CIELCh(68, 38.725, 0.953) contains.

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Color

CIELCh(68, 38.821, 0.815)

Conversions

Conversions Part 1

Format	Color
Hex	E78AA6
RGB	231, 138, 166
RGB Percent	91%, 54%, 65%
CMY	0.0937, 0.4584, 0.3486
CMYK	0.00, 0.40, 0.28, 0.09
HSL	342°, 66%, 72%
HSV	342°, 40%, 91%
XYZ	48.9882, 37.9720, 40.8740
YIQ	168.9990, 46.4400, 28.4240

Conversions

Conversions Part 2

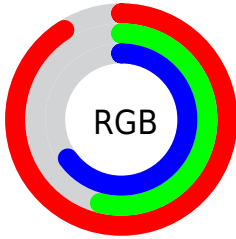
Format	Color
R _Y B	231, 138, 166
Decimal	15174310
CIE Lab	68.00, 38.82, 0.55
CIE LCh	68, 38.821, 0.815
Yxy	37.9720, 0.3832, 0.2970
Android (android.graphics.Color)	4293364390 (0xFFE78AA6)
YUV	168.9990, -1.4785, 54.3749
Hunter-Lab	61.6215, 34.0674, 3.8075

Details

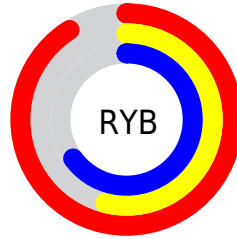
The CIELCh color **68, 38.821, 0.815** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85, 34.398, 171.708**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 26.897, 348.666**, and **48, 38.619, 1.002** is the 20% darker color. If you saturate the color by 10%, you get **63, 48.568, 2.716**, and if you desaturate by 10%, it is **74, 28.876, 359.261**.

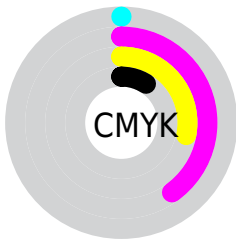
Distribution



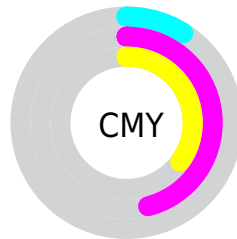
- Red (91%)
- Green (54%)
- Blue (65%)



- Red (91%)
- Yellow (54%)
- Blue (65%)



- Cyan (0%)
- Magenta (40%)
- Yellow (28%)
- Black (9%)



- Cyan (9%)
- Magenta (46%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 38.821, 0.815 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 68, 38.821, 0.815 by changing the saturation by 10% instead.

 68, 38.821, 0.815  68, 38.821, 0.815

 100, 38.821, 0.815  58, 38.821, 0.815

 88, 38.821, 0.815  48, 38.821, 0.815

 98, 38.821, 0.815  38, 38.821, 0.815

 28, 38.821, 0.815

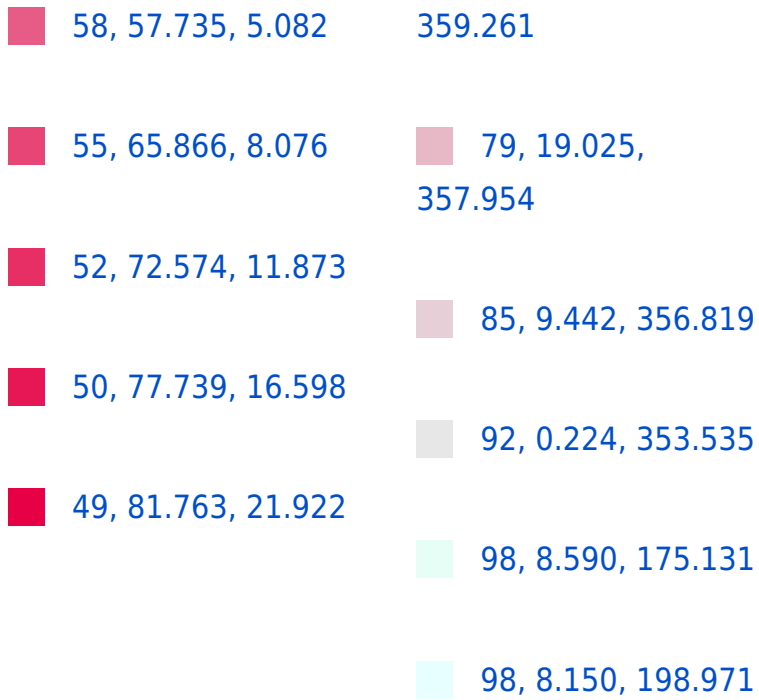
 18, 38.821, 0.815

 8, 38.821, 0.815

 0, 38.821, 0.815

 68, 38.821, 0.815  68, 38.821, 0.815

 63, 48.568, 2.716  74, 28.876,



Harmonies

Complementary

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



68, 38.821, 0.815



85, 34.398, 171.708

Rectangle

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



68, 38.821, 0.815



68, 38.821, 50.815



68, 38.821, 180.815



68, 38.821, 230.815

Sweetspot

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



68, 38.818, 0.817



92, 12.026, 357.017



67, 55.216, 316.932



48, 7.998, 357.162



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 38.818, 0.817



70, 50.270, 2.307



71, 33.426, 37.907



45, 5.198, 356.733



37, 67.008, 20.864



7, 26.659, 8.446

Inverse Universe

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



68, 38.818, 0.817



70, 50.270, 2.307



81, 24.842, 219.464



45, 5.198, 356.733



37, 67.008, 20.864



7, 26.659, 8.446

Previews

White Background



This preview shows how the CIELCh color 68, 38.821, 0.815 looks on a white background.

Color Contrast Check

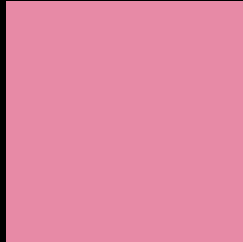
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 38.821, 0.815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

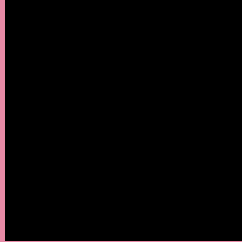
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 38.821, 0.815

Background



This preview shows how black text looks on a background with the CIELCh color 68, 38.821, 0.815.

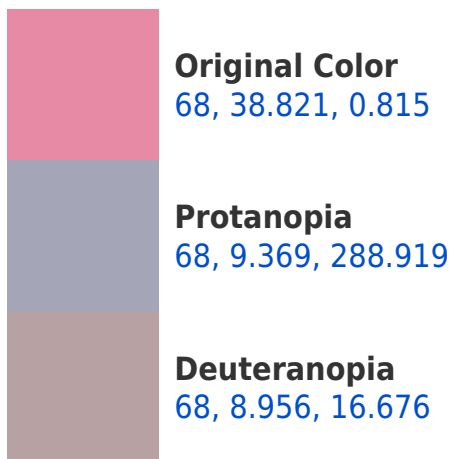


This preview shows how white text looks on a background with the CIELCh color 68, 38.821, 0.815.

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
68, 36.144, 14.676

Trichromacy



Original Color
68, 38.821, 0.815

Protanomaly
67, 17.009, 338.263

Deuteranomaly
68, 19.523, 5.114

Tritanomaly
68, 36.644, 9.769

Monochromacy



Original Color
68, 38.821, 0.815

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 14.201, 358.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 38.821, 0.815 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(231, 138, 166)` looks like.

```
.text, #text, p{  
    color:rgb(231, 138, 166)  
}
```

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(231, 138, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 138, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 38.821, 0.815 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(231, 138, 166) }
```

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

```
.border{ border-color:rgb(231, 138, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 138, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 138, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 138, 166);  
box-shadow:4px 4px 4px 4px rgb(231, 138,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 38.821, 0.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 138, 166) }
```

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

```
.background{ background-color: rgb(231,  
138, 166) }
```

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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