

Converting Colors

CIELCh(89, 3.676, 318.648)

Have a look what the booklet for
CIELCh(89, 3.676, 318.648) contains.

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Color

CIELCh(89, 3.624, 319.852)

Conversions

Conversions Part 1

Format	Color
Hex	E3DEE4
RGB	227, 222, 228
RGB Percent	89%, 87%, 89%
CMY	0.1099, 0.1294, 0.1059
CMYK	0.00, 0.03, 0.00, 0.11
HSL	290°, 10%, 88%
HSV	290°, 3%, 89%
XYZ	71.7931, 74.1641, 83.9195
YIQ	224.1790, 1.0540, 2.9260

Conversions

Conversions Part 2

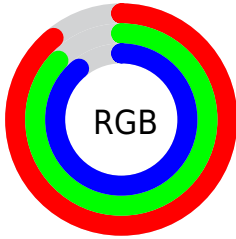
Format	Color
R _Y B	227, 222, 228
Decimal	14933732
CIE Lab	89.00, 2.77, -2.34
CIE LCh	89, 3.624, 319.852
Yxy	74.1641, 0.3123, 0.3226
Android (android.graphics.Color)	4293123812 (0xFFE3DEE4)
YUV	224.1790, 1.8838, 2.4740
Hunter-Lab	86.1186, -1.9004, 2.5070

Details

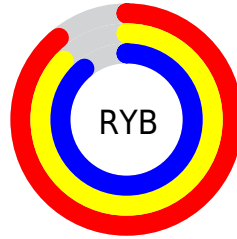
The CIELCh color **89, 3.624, 319.852** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 3.599, 139.742**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 3.817, 319.902** is the 20% darker color. If you saturate the color by 10%, you get **83, 17.518, 320.358**, and if you desaturate by 10%, it is **95, 9.995, 139.496**.

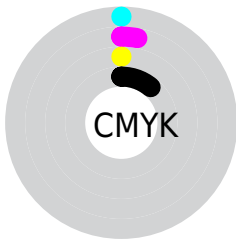
Distribution



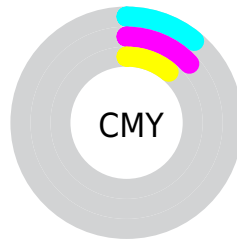
- Red (89%)
- Green (87%)
- Blue (89%)



- Red (89%)
- Yellow (87%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 3.624, 319.852 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 89, 3.624, 319.852 by changing the saturation by 10% instead.

■ 89, 3.624, 319.852

■ 89, 3.624, 319.852

■ 100, 3.624,
319.852

■ 79, 3.624, 319.852

■ 69, 3.624, 319.852

■ 59, 3.624, 319.852

■ 49, 3.624, 319.852

■ 39, 3.624, 319.852

■ 29, 3.624, 319.852

■ 19, 3.624, 319.852

■ 9, 3.624, 319.852

■ 0, 3.624, 319.852

89, 3.624, 319.852

89, 3.624, 319.852

83, 17.518,
320.358

95, 9.995, 139.496

77, 31.579,
320.824

98, 15.610,
136.999

72, 45.615,
321.275

98, 15.001,
132.532

66, 59.341,
321.691

98, 14.491,
127.679

61, 72.348,
322.046

99, 14.094,
122.471

57, 84.100,
322.304

99, 13.821,
116.971

53, 93.973,
322.426

99, 13.684,
111.269

51, 101.368,
322.373

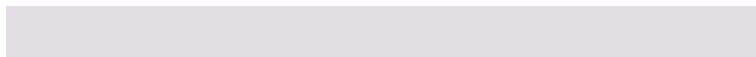
99, 13.669,
109.145

■ 49,105.916,
322.112

Harmonies

Complementary

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



89, 3.624, 319.852



90, 3.599, 139.742

Rectangle

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



89, 3.624, 319.852



89, 3.624, 9.852



89, 3.624, 139.852



89, 3.624, 189.852

Sweetspot

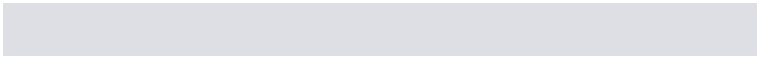
The Sweet Spot groups the original color and five complimentary colors.



89, 3.622, 319.849



99, 1.512, 319.669



89, 2.582, 281.744



53, 0.860, 319.658



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 3.622, 319.849



98, 4.524, 319.875



89, 3.049, 335.024



47, 3.146, 319.921



37, 89.695, 321.902



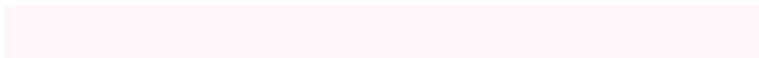
7, 37.173, 322.690

Inverse Universe

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



89, 2.226, 5.791



98, 2.783, 5.859



90, 3.029, 154.912



47, 1.939, 5.973



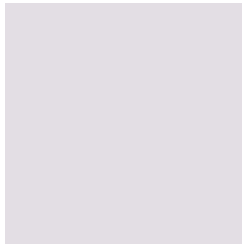
37, 72.590, 31.695



7, 26.703, 14.814

Previews

White Background



This preview shows how the CIELCh color 89, 3.624, 319.852 looks on a white background.

Color Contrast Check

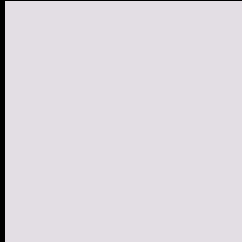
Large Text (above 18pt) WCAG AA × Fail

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 89, 3.624, 319.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

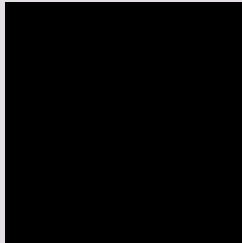
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

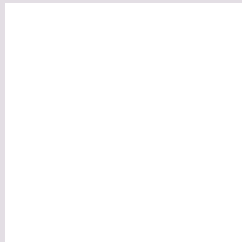
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 3.624, 319.852

Background



This preview shows how black text looks on a background with the CIELCh color 89, 3.624, 319.852.

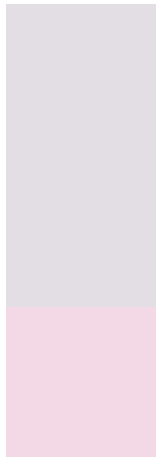


This preview shows how white text looks on a background with the CIELCh color 89, 3.624, 319.852.

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



Original Color

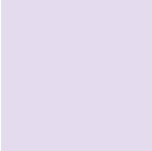
89, 3.624, 319.852

Protanopia

89, 3.459, 314.723

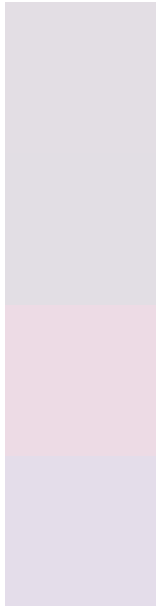
Deuteranopia

89, 10.980, 345.589



Tritanopia
89, 9.840, 307.452

Trichromacy



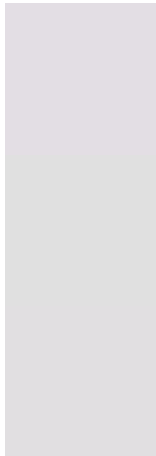
Original Color
89, 3.624, 319.852

Protanomaly
89, 3.459, 314.723

Deuteranomaly
89, 8.327, 341.322

Tritanomaly
89, 7.249, 310.618

Monochromacy



Original Color
89, 3.624, 319.852

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 1.279, 324.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 3.624, 319.852 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(227, 222, 228)` looks like.

```
.text, #text, p{  
    color:rgb(227, 222, 228)  
}
```

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(227, 222, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 222, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 3.624, 319.852 is called "border". The border property can be set on classes, ids or directly on the HTML element.

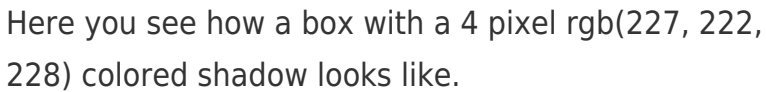
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 222, 228) }
```

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

```
.border{ border-color:rgb(227, 222, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 222, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 222, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 222, 228); box-shadow:4px 4px 4px 4px rgb(227, 222, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 3.624, 319.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 222, 228) }
```

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

```
.background{ background-color: rgb(227,  
222, 228) }
```

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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