

Converting Colors

CIELCh(89, 1.672, 6.870)

Have a look what the booklet for
CIELCh(89, 1.672, 6.870) contains.

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Color

CIELCh(89, 1.879, 3.150)

Conversions

Conversions Part 1

Format	Color
Hex	E3DEDF
RGB	227, 222, 223
RGB Percent	89%, 87%, 87%
CMY	0.1084, 0.1280, 0.1241
CMYK	0.00, 0.02, 0.02, 0.11
HSL	348°, 8%, 88%
HSV	348°, 2%, 89%
XYZ	71.3711, 74.1641, 80.6140
YIQ	223.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

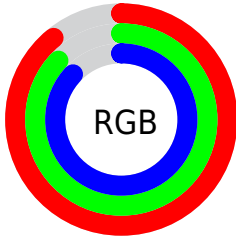
Format	Color
R_{YB}	227, 222, 223
Decimal	14933727
CIE Lab	89.00, 1.88, 0.10
CIE LCh	89, 1.879, 3.150
Yxy	74.1641, 0.3156, 0.3279
Android (android.graphics.Color)	4293123807 (0xFFE3DEDF)
YUV	223.6090, -0.3002, 2.9739
Hunter-Lab	86.1186, -2.7751, 4.7827

Details

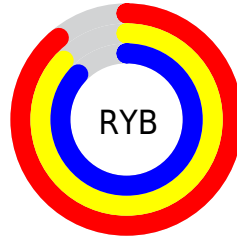
The CIELCh color **89, 1.879, 3.150** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 1.853, 183.406**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 1.982, 3.278** is the 20% darker color. If you saturate the color by 10%, you get **83, 10.684, 4.418**, and if you desaturate by 10%, it is **95, 6.460, 182.743**.

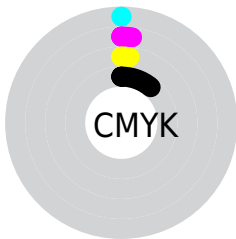
Distribution



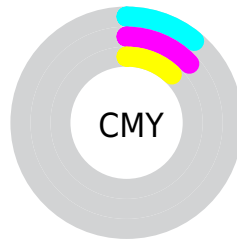
- Red (89%)
- Green (87%)
- Blue (87%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 1.879, 3.150 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, 1.879, 3.150 by changing the saturation by 10% instead.

■ 89, 1.879, 3.150

■ 89, 1.879, 3.150

100, 1.879, 3.150

■ 79, 1.879, 3.150

■ 69, 1.879, 3.150

■ 59, 1.879, 3.150

■ 49, 1.879, 3.150

■ 39, 1.879, 3.150

■ 29, 1.879, 3.150

■ 19, 1.879, 3.150

■ 9, 1.879, 3.150

■ 0, 1.879, 3.150

89, 1.879, 3.150

89, 1.879, 3.150

83, 10.684, 4.418

95, 6.460, 182.743

77, 19.940, 5.593

98, 9.397, 198.882

71, 29.568, 6.987

66, 39.416, 8.690

61, 49.230, 10.813

56, 58.662, 13.496

53, 67.323, 16.896

50, 74.912, 21.134

48, 81.361, 26.168

Harmonies

Complementary

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



89, 1.879, 3.150



90, 1.853, 183.406

Rectangle

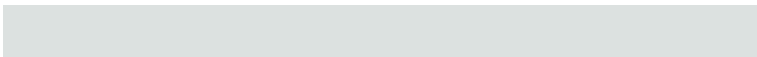
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



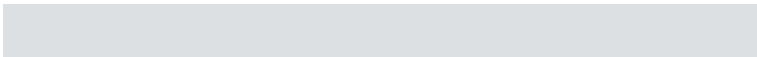
89, 1.879, 3.150



89, 1.879, 53.150



89, 1.879, 183.150



89, 1.879, 233.150

Sweetspot

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



89, 1.877, 3.196



99, 0.937, 2.735



89, 2.991, 318.832



53, 0.533, 2.696



0, 0.000, 0.000



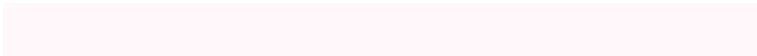
53, 0.007, 296.813

Same Dimension

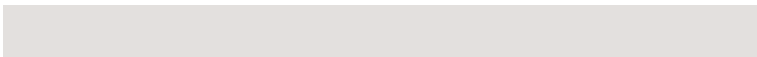
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 1.877, 3.196



98, 2.817, 3.352



89, 1.468, 51.034



47, 1.962, 3.467



37, 71.045, 29.350



7, 26.668, 13.440

Inverse Universe

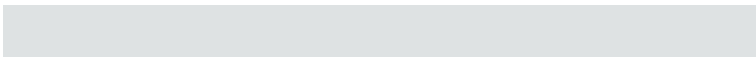
The Inverse Universe completely reimagines the original color for something new.



89, 1.877, 3.196



98, 2.817, 3.352



90, 1.459, 232.087



47, 1.962, 3.467



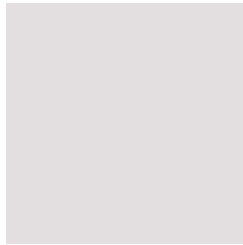
37, 71.045, 29.350



7, 26.668, 13.440

Previews

White Background



This preview shows how the CIE LCh color 89, 1.879, 3.150 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, 1.879, 3.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

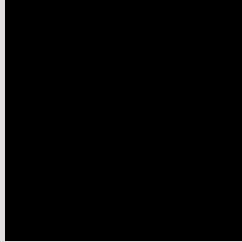
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

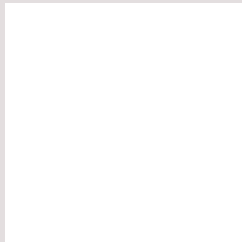
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 1.879, 3.150

Background



This preview shows how black text looks on a background with the CIELCh color 89, 1.879, 3.150.

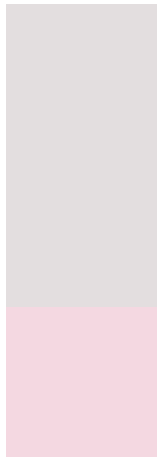


This preview shows how white text looks on a background with the CIELCh color 89, 1.879, 3.150.

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

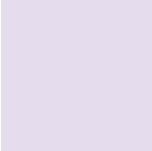
89, 1.879, 3.150

Protanopia

89, 1.879, 3.150

Deuteranopia

89, 11.198, 355.553



Tritanopia
89, 9.949, 309.392

Trichromacy



Original Color

89, 1.879, 3.150

Protanomaly

89, 1.879, 3.150

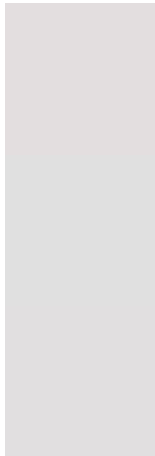
Deuteranomaly

89, 7.901, 356.691

Tritanomaly

89, 6.762, 312.116

Monochromacy



Original Color

89, 1.879, 3.150

Achromatopsia

89, 0.011, 296.813

Achromatomaly

89, 0.897, 343.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 1.879, 3.150 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(227, 222, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 222, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 1.879, 3.150 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, 223) }
```

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

```
.border{ border-color:rgb(227, 222, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 222, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 222, 223);  
box-shadow:4px 4px 4px 4px rgb(227, 222,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 1.879, 3.150 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, 223) }
```

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

```
.background{ background-color: rgb(227,  
222, 223) }
```

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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