

Converting Colors

CIELCh(89, 2.996, 8.894)

Have a look what the booklet for
CIELCh(89, 2.996, 8.894) contains.

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Color

CIELCh(89, 2.935, 9.220)

Conversions

Conversions Part 1

Format	Color
Hex	E6DEDF
RGB	230, 222, 223
RGB Percent	90%, 87%, 87%
CMY	0.0992, 0.1306, 0.1267
CMYK	0.00, 0.03, 0.03, 0.10
HSL	353°, 14%, 89%
HSV	353°, 3%, 90%
XYZ	71.8531, 74.1641, 80.1245
YIQ	224.5060, 4.4470, 2.0070

Conversions

Conversions Part 2

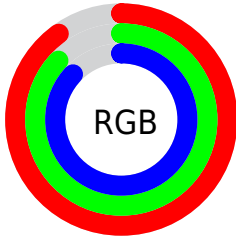
Format	Color
R _Y B	230, 222, 223
Decimal	15130335
CIE Lab	89.00, 2.90, 0.47
CIE LCh	89, 2.935, 9.220
Yxy	74.1641, 0.3177, 0.3280
Android (android.graphics.Color)	4293320415 (0xFFE6DEDF)
YUV	224.5060, -0.7425, 4.8182
Hunter-Lab	86.1186, -1.7759, 5.1198

Details

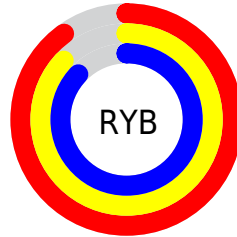
The CIELCh color **89, 2.935, 9.220** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 2.880, 189.085**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 3.098, 9.352** is the 20% darker color. If you saturate the color by 10%, you get **83, 11.719, 10.336**, and if you desaturate by 10%, it is **95, 5.311, 188.781**.

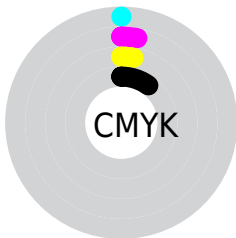
Distribution



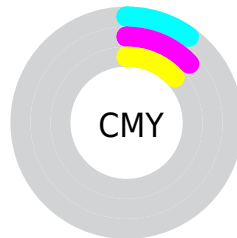
- Red (90%)
- Green (87%)
- Blue (87%)



- Red (90%)
- Yellow (87%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (10%)



- Cyan (10%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.935, 9.220 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, 2.935, 9.220 by changing the saturation by 10% instead.

89, 2.935, 9.220

89, 2.935, 9.220

100, 2.935, 9.220

79, 2.935, 9.220

69, 2.935, 9.220

59, 2.935, 9.220

49, 2.935, 9.220

39, 2.935, 9.220

29, 2.935, 9.220

19, 2.935, 9.220

9, 2.935, 9.220

0, 2.935, 9.220

89, 2.935, 9.220

89, 2.935, 9.220

83, 11.719, 10.336

95, 5.311, 188.781

77, 21.039, 11.487

98, 8.623, 198.937

71, 30.836, 12.884

65, 40.976, 14.627

60, 51.225, 16.834

56, 61.259, 19.643

53, 70.715, 23.181

50, 79.288, 27.472

49, 86.744, 32.259

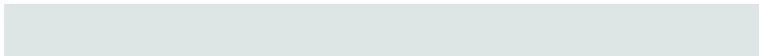
Harmonies

Complementary

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



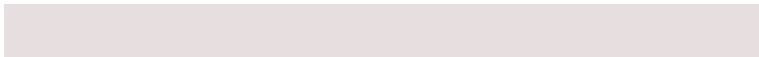
89, 2.935, 9.220



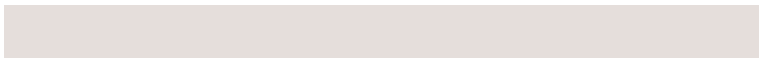
91, 2.880, 189.085

Rectangle

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



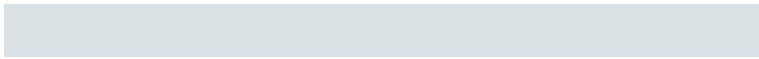
89, 2.935, 9.220



89, 2.935, 59.220



89, 2.935, 189.220



89, 2.935, 239.220

Sweetspot

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



89, 2.933, 9.254



99, 0.913, 8.550



89, 4.871, 320.878



53, 0.519, 8.510



0, 0.000, 0.000



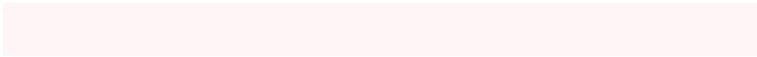
53, 0.007, 296.813

Same Dimension

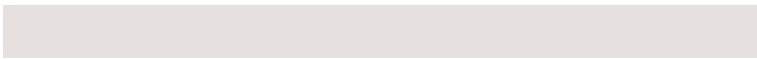
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 2.933, 9.254



97, 3.675, 9.327



90, 2.360, 59.287



47, 2.401, 9.415



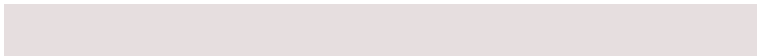
37, 74.629, 34.377



6, 26.770, 16.587

Inverse Universe

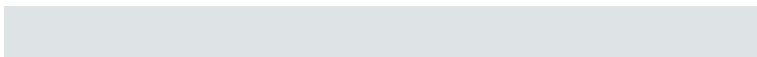
The Inverse Universe completely reimagines the original color for something new.



89, 2.933, 9.254



97, 3.675, 9.327



90, 2.334, 240.375



47, 2.401, 9.415



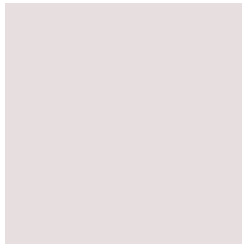
37, 74.629, 34.377



6, 26.770, 16.587

Previews

White Background



This preview shows how the CIE LCh color 89, 2.935, 9.220 looks on a white background.

Color Contrast Check

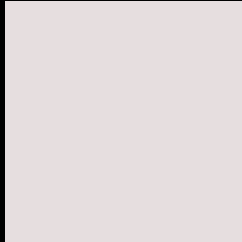
Large Text (above 18pt) WCAG AA × Fail

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, 2.935, 9.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

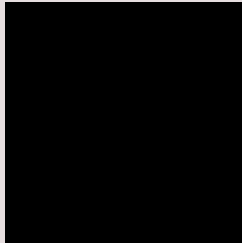
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

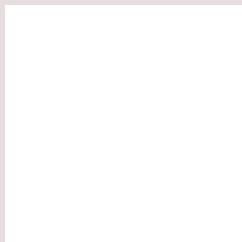
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.935, 9.220

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.935, 9.220.

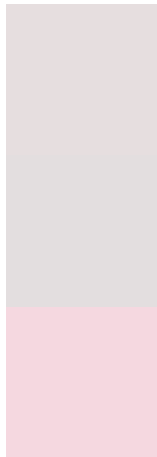


This preview shows how white text looks on a background with the CIELCh color 89, 2.935, 9.220.

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

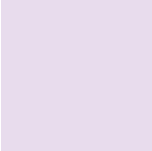
89, 2.935, 9.220

Protanopia

89, 1.879, 3.150

Deuteranopia

89, 11.345, 358.764



Tritanopia
89, 9.868, 316.199

Trichromacy



Original Color

89, 2.935, 9.220

Protanomaly

89, 2.227, 5.800

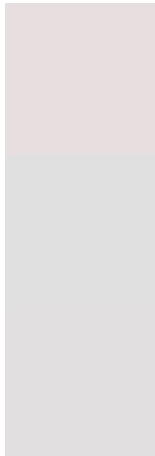
Deuteranomaly

89, 8.237, 357.731

Tritanomaly

89, 6.781, 322.163

Monochromacy



Original Color

89, 2.935, 9.220

Achromatopsia

89, 0.011, 296.813

Achromatomaly

89, 1.205, 353.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 2.935, 9.220 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(230, 222, 223)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 222, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 222, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.935, 9.220 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(230, 222, 223) }
```

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

```
.border{ border-color:rgb(230, 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(230, 222, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 222, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 222, 223);  
box-shadow:4px 4px 4px 4px rgb(230, 222,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.935, 9.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 222, 223) }
```

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

```
.background{ background-color: rgb(230,  
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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