

Converting Colors

CIELCh(89, 2.442, 127.258)

Have a look what the booklet for
CIELCh(89, 2.442, 127.258) contains.

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Color

CIELCh(89, 2.199, 129.050)

Conversions

Conversions Part 1

Format	Color
Hex	DEE0DC
RGB	222, 224, 220
RGB Percent	87%, 88%, 86%
CMY	0.1286, 0.1207, 0.1364
CMYK	0.01, 0.00, 0.02, 0.12
HSL	90°, 6%, 87%
HSV	90°, 2%, 88%
XYZ	69.8454, 74.1641, 78.4884
YIQ	222.9460, 0.0920, -1.6680

Conversions

Conversions Part 2

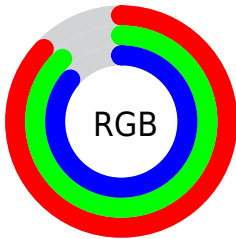
Format	Color
R _Y B	220, 224, 222
Decimal	14606556
CIE Lab	89.00, -1.39, 1.71
CIE LCh	89, 2.199, 129.050
Yxy	74.1641, 0.3139, 0.3333
Android (android.graphics.Color)	4292796636 (0xFFDEE0DC)
YUV	222.9460, -1.4524, -0.8296
Hunter-Lab	86.1186, -5.9373, 6.2462

Details

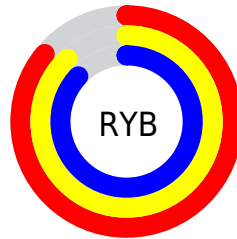
The CIELCh color `89, 2.199, 129.050` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 2.227, 309.106`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 2.321, 129.013` is the 20% darker color. If you saturate the color by 10%, you get `88, 14.616, 128.569`, and if you desaturate by 10%, it is `90, 10.144, 309.412`.

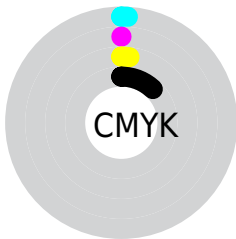
Distribution



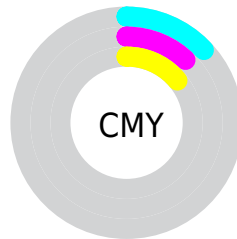
- Red (87%)
- Green (88%)
- Blue (86%)



- Red (86%)
- Yellow (88%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)



- Cyan (13%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.199, 129.050 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, 2.199, 129.050 by changing the saturation by 10% instead.

■ 89, 2.199, 129.050

■ 89, 2.199, 129.050

■ 100, 2.199,
129.050

■ 79, 2.199, 129.050

■ 69, 2.199, 129.050

■ 59, 2.199, 129.050

■ 49, 2.199, 129.050

■ 39, 2.199, 129.050

■ 29, 2.199, 129.050

■ 19, 2.199, 129.050

■ 9, 2.199, 129.050

■ 0, 2.199, 129.050

89, 2.199, 129.050

89, 2.199, 129.050

88, 14.616,
128.569

90, 10.144,
309.412

86, 27.026,
128.089

92, 17.529,
315.079

85, 39.324,
127.600

93, 19.258,
325.094


84, 51.356,
127.123

83, 62.901,
126.703

82, 73.636,
126.407

82, 83.121,
126.333

81, 90.820,
126.609

 80, 96.266,
127.352

Harmonies

Complementary

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



89, 2.199, 129.050



88, 2.227, 309.106

Rectangle

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



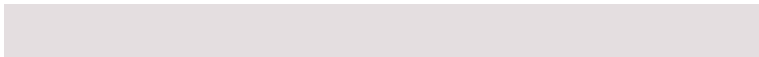
89, 2.199, 129.050



89, 2.199, 179.050



89, 2.199, 309.050



89, 2.199, 359.050

Sweetspot

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



89, 2.201, 129.068



100, 1.363, 129.147



89, 1.252, 74.885



53, 0.775, 129.155



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, 2.201, 129.068



100, 2.738, 129.051



89, 2.537, 144.453



47, 1.401, 129.060



64, 82.553, 128.002



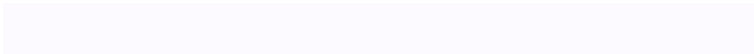
17, 30.821, 127.970

Inverse Universe

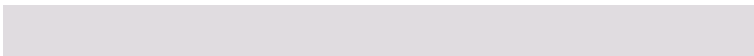
The Inverse Universe completely reimagines the original color for something new.



88, 2.227, 309.106



99, 2.767, 309.122



88, 2.555, 324.430



47, 1.417, 309.114



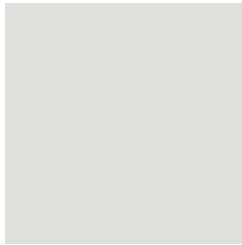
27, 94.421, 311.949



4, 33.483, 310.329

Previews

White Background



This preview shows how the CIELCh color 89, 2.199, 129.050 looks on a white background.

Color Contrast Check

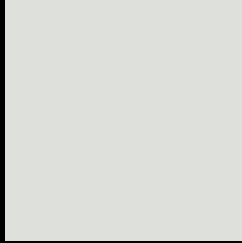
Large Text (above 18pt) WCAG AA × Fail

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, 2.199, 129.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

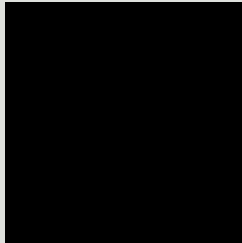
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

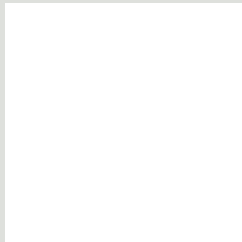
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.199, 129.050

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.199, 129.050.

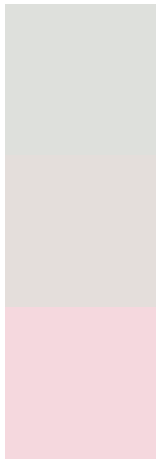


This preview shows how white text looks on a background with the CIELCh color 89, 2.199, 129.050.

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, 2.199, 129.050

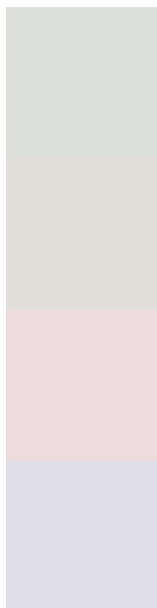
Protanopia
89, 2.657, 55.182

Deuteranopia
89, 11.035, 3.817



Tritanopia
89, 9.516, 299.357

Trichromacy



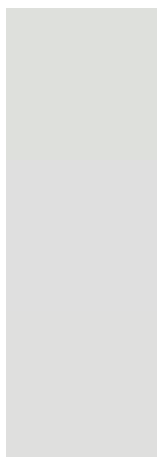
Original Color
89, 2.199, 129.050

Protanomaly
89, 2.326, 82.203

Deuteranomaly
89, 6.630, 10.799

Tritanomaly
89, 5.276, 298.288

Monochromacy



Original Color
89, 2.199, 129.050

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.510, 109.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 2.199, 129.050 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(222, 224, 220)` looks like.

```
.text, #text, p{  
    color:rgb(222, 224, 220)  
}
```

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(222, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 224, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.199, 129.050 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(222, 224, 220) }
```

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

```
.border{ border-color:rgb(222, 224, 220) }
```

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

Here you see how a box with a 4 pixel rgb(222, 224, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 224, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 224, 220);  
box-shadow:4px 4px 4px 4px rgb(222, 224,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.199, 129.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 224, 220) }
```

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

```
.background{ background-color: rgb(222,  
224, 220) }
```

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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