

Converting Colors

CIELCh(89, 2.746, 199.432)

Have a look what the booklet for
CIELCh(89, 2.746, 199.432) contains.

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Color

CIELCh(89, 2.834, 199.420)

Conversions

Conversions Part 1

Format	Color
Hex	D9E1E1
RGB	217, 225, 225
RGB Percent	85%, 88%, 88%
CMY	0.1484, 0.1170, 0.1170
CMYK	0.04, 0.00, 0.00, 0.12
HSL	180°, 12%, 87%
HSV	180°, 4%, 88%
XYZ	69.2493, 74.1641, 82.0196
YIQ	222.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

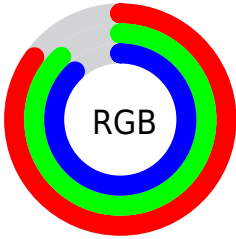
Format	Color
R_{YB}	217, 221, 225
Decimal	14279137
CIE _{Lab}	89.00, -2.67, -0.94
CIE _{LCh}	89, 2.834, 199.420
Y _{xy}	74.1641, 0.3072, 0.3290
Android (android.graphics.Color)	4292469217 (0xFFD9E1E1)
YUV	222.6080, 1.1793, -4.9182
Hunter-Lab	86.1186, -7.1730, 3.8150

Details

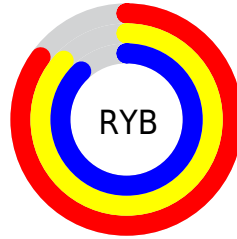
The CIELCh color `89, 2.834, 199.420` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 2.900, 19.374`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 2.979, 199.313` is the 20% darker color. If you saturate the color by 10%, you get `87, 10.546, 198.692`, and if you desaturate by 10%, it is `91, 5.249, 19.622`.

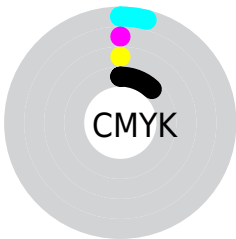
Distribution



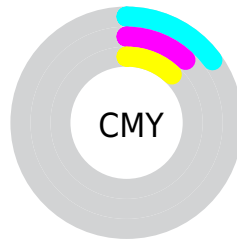
- Red (85%)
- Green (88%)
- Blue (88%)



- Red (85%)
- Yellow (87%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (15%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.834, 199.420 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, 2.834, 199.420 by changing the saturation by 10% instead.

■ 89, 2.834, 199.420

■ 89, 2.834, 199.420

■ 100, 2.834,
199.420

■ 79, 2.834, 199.420

■ 69, 2.834, 199.420

■ 59, 2.834, 199.420

■ 49, 2.834, 199.420

■ 39, 2.834, 199.420

■ 29, 2.834, 199.420

■ 19, 2.834, 199.420

■ 9, 2.834, 199.420

■ 0, 2.834, 199.420

89, 2.834, 199.420

89, 2.834, 199.420

87, 10.546,
198.692

91, 5.249, 19.622

86, 17.761,
198.176

92, 10.904, 20.074

85, 24.350,
197.724

92, 10.903, 20.046

84, 30.185,
197.333

92, 10.903, 20.018

83, 35.150,
197.005

92, 10.903, 19.990

82, 39.157,
196.744

92, 10.903, 19.962

82, 42.160,
196.548

92, 10.903, 19.934

82, 44.170,
196.416

92, 10.903, 19.906

92, 10.902, 19.878

■ 82, 45.269,
196.342

Harmonies

Complementary

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



89, 2.834, 199.420



87, 2.900, 19.374

Rectangle

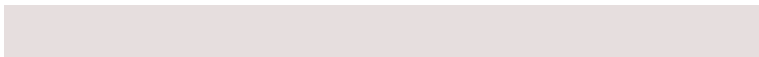
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 2.834, 199.420



89, 2.834, 249.420



89, 2.834, 19.420



89, 2.834, 69.420

Sweetspot

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



89, 2.835, 199.381



100, 0.886, 200.058



89, 5.056, 143.859



53, 0.504, 200.100



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, 2.835, 199.381



99, 3.526, 199.331



88, 2.481, 254.192



47, 2.253, 199.265



65, 37.952, 196.316



17, 15.589, 196.327

Inverse Universe

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



87, 2.900, 19.374



97, 3.617, 19.428



88, 2.491, 73.003



46, 2.320, 19.499



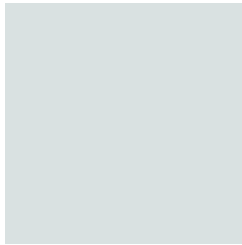
36, 79.093, 39.934



6, 25.540, 20.919

Previews

White Background



This preview shows how the CIELCh color 89, 2.834, 199.420 looks on a white background.

Color Contrast Check

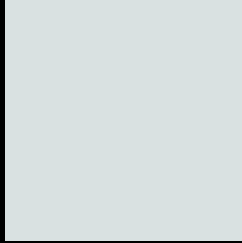
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 89, 2.834, 199.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

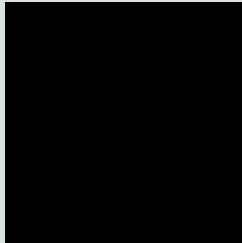
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

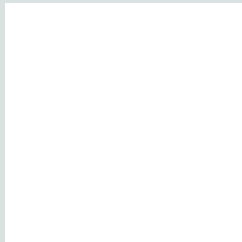
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.834, 199.420

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.834, 199.420.

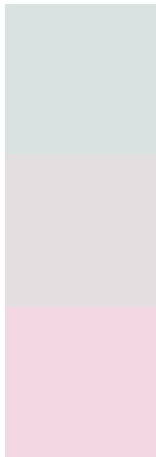


This preview shows how white text looks on a background with the CIELCh color 89, 2.834, 199.420.

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, 2.834, 199.420

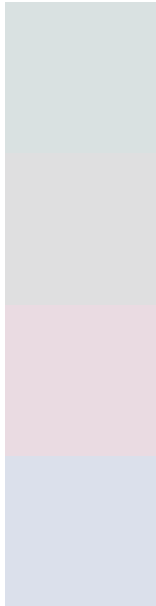
Protanopia
89, 1.879, 3.150

Deuteranopia
89, 11.332, 349.939



Tritanopia
89, 8.903, 284.222

Trichromacy



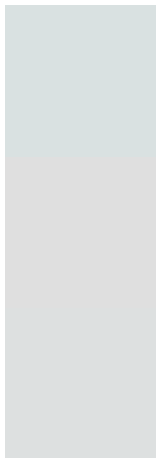
Original Color
89, 2.834, 199.420

Protanomaly
89, 0.531, 290.352

Deuteranomaly
89, 6.539, 345.962

Tritanomaly
89, 5.962, 273.663

Monochromacy



Original Color
89, 2.834, 199.420

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 1.068, 199.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 2.834, 199.420 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(217, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(217, 225, 225)  
}
```

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(217, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 225, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.834, 199.420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

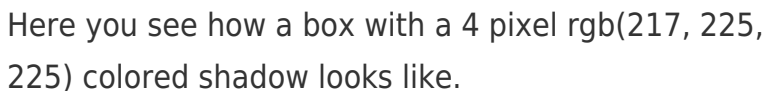
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 225, 225) }
```

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

```
.border{ border-color:rgb(217, 225, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 225, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 225, 225); box-shadow:4px 4px 4px 4px rgb(217, 225, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.834, 199.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 225, 225) }
```

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

```
.background{ background-color: rgb(217,  
225, 225) }
```

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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