

Converting Colors

CIELCh(89, 5.267, 205.488)

Have a look what the booklet for
CIELCh(89, 5.267, 205.488) contains.

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Color

CIELCh(89, 4.999, 211.244)

Conversions

Conversions Part 1

Format	Color
Hex	D4E2E4
RGB	212, 226, 228
RGB Percent	83%, 89%, 89%
CMY	0.1677, 0.1128, 0.1050
CMYK	0.07, 0.01, 0.00, 0.10
HSL	187°, 23%, 86%
HSV	187°, 7%, 90%
XYZ	68.5126, 74.1641, 84.2718
YIQ	222.0420, -8.9860, -2.3460

Conversions

Conversions Part 2

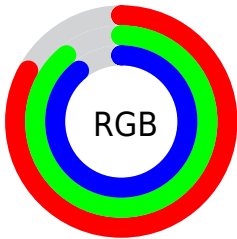
Format	Color
R _Y B	212, 219, 228
Decimal	13951716
CIE Lab	89.00, -4.27, -2.59
CIE LCh	89, 4.999, 211.244
Yxy	74.1641, 0.3019, 0.3268
Android (android.graphics.Color)	4292141796 (0xFFD4E2E4)
YUV	222.0420, 2.9373, -8.8068
Hunter-Lab	86.1186, -8.7000, 2.2645

Details

The CIELCh color `89, 4.999, 211.244` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 5.229, 31.138`, 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, 5.235, 211.210` is the 20% darker color. If you saturate the color by 10%, you get `87, 11.795, 211.158`, and if you desaturate by 10%, it is `91, 2.179, 30.903`.

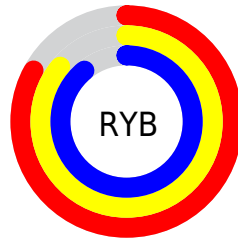
Distribution



Red (83%)

Green (89%)

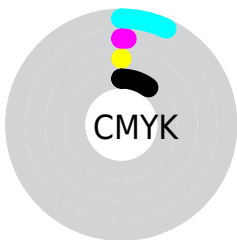
Blue (89%)



Red (83%)

Yellow (86%)

Blue (89%)

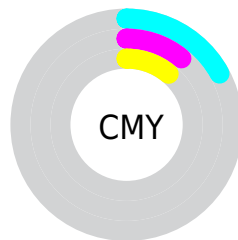


Cyan (7%)

Magenta (1%)

Yellow (0%)

Black (10%)



Cyan (17%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 4.999, 211.244 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, 4.999, 211.244 by changing the saturation by 10% instead.

■ 89, 4.999, 211.244

■ 89, 4.999, 211.244

■ 100, 4.999,
211.244

■ 79, 4.999, 211.244

■ 69, 4.999, 211.244

■ 59, 4.999, 211.244

■ 49, 4.999, 211.244

■ 39, 4.999, 211.244

■ 29, 4.999, 211.244

■ 19, 4.999, 211.244

■ 9, 4.999, 211.244

■ 0, 4.999, 211.244

89, 4.999, 211.244

89, 4.999, 211.244

87, 11.795,
211.158

91, 2.179, 30.903

85, 18.099,
211.271

94, 8.602, 32.608

83, 23.797,
211.548

94, 8.079, 44.266

81, 28.770,
212.021

95, 7.930, 56.912

79, 32.910,
212.732

96, 8.173, 69.386

78, 36.136,
213.730

96, 8.775, 80.613

76, 38.410,
215.069

97, 9.665, 90.061

75, 39.758,
216.799

98, 10.772, 97.716

99, 12.033,
103.833

■ 74, 40.295,
218.954

Harmonies

Complementary

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



89, 4.999, 211.244



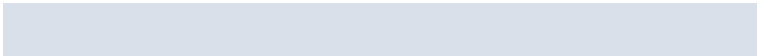
87, 5.229, 31.138

Rectangle

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



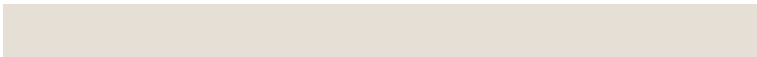
89, 4.999, 211.244



89, 4.999, 261.244



89, 4.999, 31.244



89, 4.999, 81.244

Sweetspot

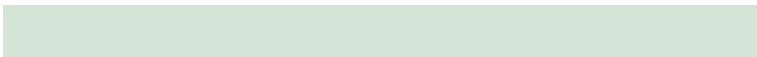
The Sweet Spot groups the original color and five complimentary colors.



89, 5.000, 211.220



99, 1.580, 211.553



89, 9.384, 147.391



53, 0.898, 211.575



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

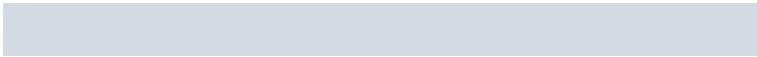
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 5.000, 211.220



98, 6.225, 211.201



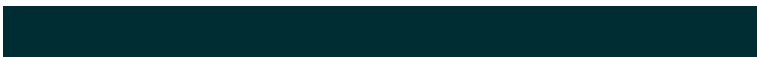
87, 5.562, 267.891



47, 4.042, 211.182



59, 33.634, 219.223



16, 14.276, 215.263

Inverse Universe

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



87, 9.354, 328.414



95, 11.685, 328.480



89, 5.578, 85.979



45, 7.623, 328.568



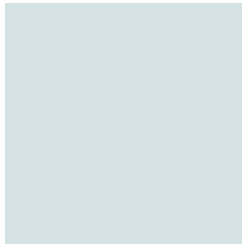
41, 80.211, 333.900



8, 34.167, 332.923

Previews

White Background



This preview shows how the CIELCh color 89, 4.999, 211.244 looks on a white background.

Color Contrast Check

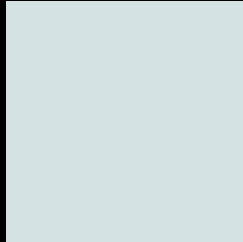
Large Text (above 18pt) WCAG AA × Fail

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, 4.999, 211.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

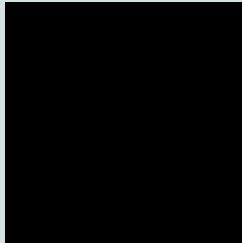
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

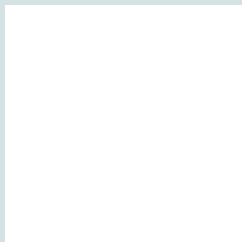
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 4.999, 211.244

Background



This preview shows how black text looks on a background with the CIELCh color 89, 4.999, 211.244.

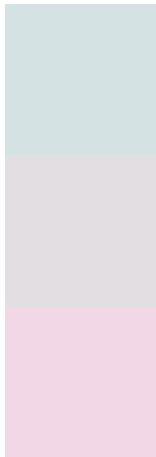


This preview shows how white text looks on a background with the CIELCh color 89, 4.999, 211.244.

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](#).

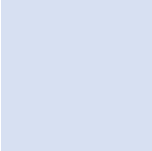
Dichromacy



Original Color
89, 4.999, 211.244

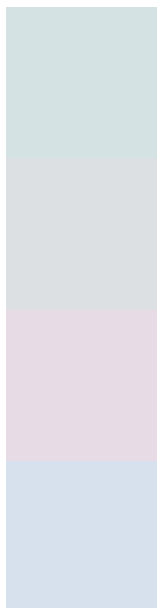
Protanopia
89, 2.549, 324.428

Deuteranopia
89, 11.881, 342.475



Tritanopia
89, 9.810, 272.641

Trichromacy



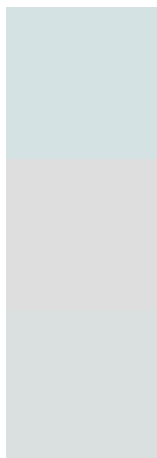
Original Color
89, 4.999, 211.244

Protanomaly
89, 1.883, 255.958

Deuteranomaly
89, 6.154, 330.137

Tritanomaly
89, 7.247, 259.082

Monochromacy



Original Color
89, 4.999, 211.244

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 2.131, 199.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 4.999, 211.244 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(212, 226, 228)` looks like.

```
.text, #text, p{  
    color:rgb(212, 226, 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(212, 226, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 226, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 4.999, 211.244 is called "border". The border property can be set on classes, ids or directly on the HTML element.

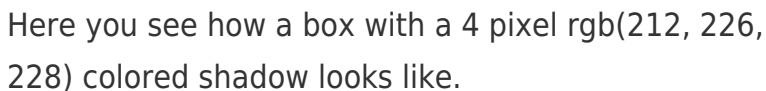
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 226, 228) }
```

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

```
.border{ border-color:rgb(212, 226, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(212, 226, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 226, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 226, 228); box-shadow:4px 4px 4px 4px rgb(212, 226, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 4.999, 211.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 226, 228) }
```

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

```
.background{ background-color: rgb(212,  
226, 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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