

Converting Colors

CIELCh(89, 8.137, 191.450)

Have a look what the booklet for
CIELCh(89, 8.137, 191.450) contains.

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Color

CIELCh(89, 8.121, 191.529)

Conversions

Conversions Part 1

Format	Color
Hex	CDE4E2
RGB	205, 228, 226
RGB Percent	80%, 89%, 89%
CMY	0.1950, 0.1048, 0.1126
CMYK	0.10, 0.00, 0.01, 0.10
HSL	175°, 30%, 85%
HSV	175°, 10%, 90%
XYZ	66.8378, 74.1641, 82.9437
YIQ	220.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

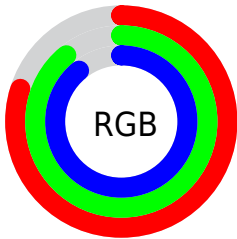
Format	Color
R_{YB}	205, 217, 228
Decimal	13493474
CIE _{Lab}	89.00, -7.96, -1.62
CIE _{LCh}	89, 8.121, 191.529
Yxy	74.1641, 0.2985, 0.3312
Android (android.graphics.Color)	4291683554 (0xFFCDE4E2)
YUV	220.8950, 2.5168, -13.9399
Hunter-Lab	86.1186, -12.1714, 3.1789

Details

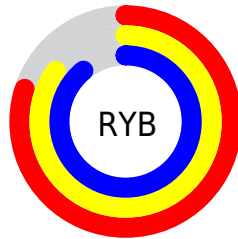
The CIELCh color **89, 8.121, 191.529** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 8.569, 12.964**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 8.147, 191.003** is the 20% darker color. If you saturate the color by 10%, you get **88, 15.807, 190.729**, and if you desaturate by 10%, it is **91, 0.063, 201.706**.

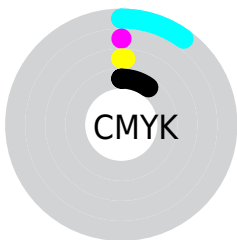
Distribution



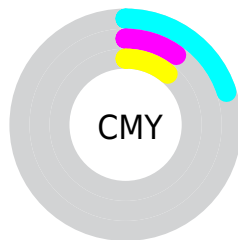
- Red (80%)
- Green (89%)
- Blue (89%)



- Red (80%)
- Yellow (85%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (20%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 8.121, 191.529 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, 8.121, 191.529 by changing the saturation by 10% instead.

■ 89, 8.121, 191.529

■ 89, 8.121, 191.529

■ 100, 8.121,
191.529

■ 79, 8.121, 191.529

■ 69, 8.121, 191.529

■ 59, 8.121, 191.529

■ 49, 8.121, 191.529

■ 39, 8.121, 191.529

■ 29, 8.121, 191.529

■ 19, 8.121, 191.529

■ 9, 8.121, 191.529

■ 0, 8.121, 191.529

89, 8.121, 191.529

89, 8.121, 191.529

88, 15.807,
190.729

91, 0.063, 201.706

86, 22.985,
189.958

93, 8.258, 12.866

85, 29.519,
189.184

93, 9.877, 8.170

84, 35.274,
188.395

93, 10.447,
357.122

83, 40.136,
187.582

93, 10.869,
352.135

83, 44.023,
186.728

93, 11.369,
347.560

82, 46.907,
185.819

93, 11.938,
343.403

82, 48.828,
184.836

93, 12.565,
339.649

■ 82, 49.976,
183.788

Harmonies

Complementary

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



89, 8.121, 191.529



84, 8.569, 12.964

Rectangle

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



89, 8.121, 191.529



89, 8.121, 241.529



89, 8.121, 11.529



89, 8.121, 61.529

Sweetspot

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



89, 8.122, 191.518



99, 2.678, 192.215



89, 14.192, 141.207



53, 2.028, 192.104



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, 8.122, 191.518



98, 10.535, 191.356



87, 6.729, 245.100



47, 4.603, 191.569



66, 41.514, 183.972



18, 17.175, 185.757

Inverse Universe

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



84, 8.569, 12.964



92, 11.237, 13.160



87, 7.006, 62.800



45, 4.840, 12.903



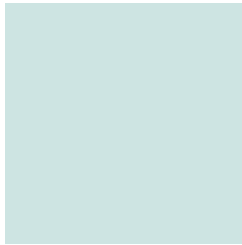
37, 76.355, 36.373



6, 26.849, 18.155

Previews

White Background



This preview shows how the CIELCh color 89, 8.121, 191.529 looks on a white background.

Color Contrast Check

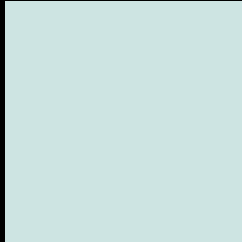
Large Text (above 18pt) WCAG AA × Fail

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, 8.121, 191.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

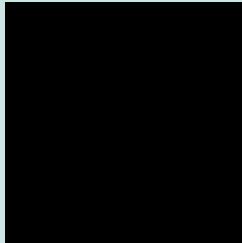
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

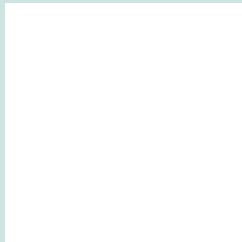
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 8.121, 191.529

Background



This preview shows how black text looks on a background with the CIELCh color 89, 8.121, 191.529.

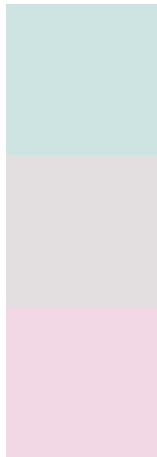


This preview shows how white text looks on a background with the CIELCh color 89, 8.121, 191.529.

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

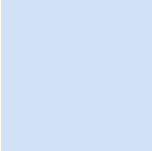
89, 8.121, 191.529

Protanopia

89, 1.879, 3.150

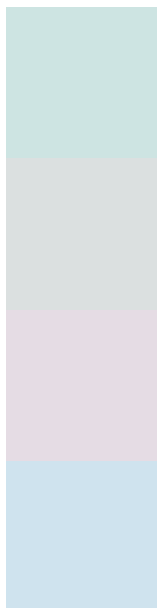
Deuteranopia

89, 11.577, 344.521



Tritanopia
89, 11.049, 257.484

Trichromacy



Original Color
89, 8.121, 191.529

Protanomaly
89, 1.778, 199.619

Deuteranomaly
89, 5.299, 327.781

Tritanomaly
89, 8.815, 239.746

Monochromacy



Original Color
89, 8.121, 191.529

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 3.243, 190.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 8.121, 191.529 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(205, 228, 226)` looks like.

```
.text, #text, p{  
    color:rgb(205, 228, 226)  
}
```

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(205, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 228, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 8.121, 191.529 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(205, 228, 226) }
```

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

```
.border{ border-color:rgb(205, 228, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(205, 228,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 8.121, 191.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 228, 226) }
```

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

```
.background{ background-color: rgb(205,  
228, 226) }
```

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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