

Converting Colors

CIELCh(87, 12.765, 136.929)

Have a look what the booklet for
CIELCh(87, 12.765, 136.929)
contains.

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Color

CIELCh(87, 13.101, 137.559)

Conversions

Conversions Part 1

Format	Color
Hex	CEDFC9
RGB	206, 223, 201
RGB Percent	81%, 87%, 79%
CMY	0.1927, 0.1261, 0.2123
CMYK	0.08, 0.00, 0.10, 0.13
HSL	106°, 25%, 83%
HSV	106°, 10%, 87%
XYZ	62.2859, 70.0064, 65.3980
YIQ	215.4090, -3.0700, -10.4460

Conversions

Conversions Part 2

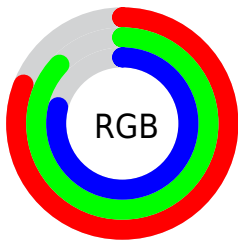
Format	Color
RYB	201, 223, 218
Decimal	13557705
CIELab	87.00, -9.67, 8.84
CIELCh	87, 13.101, 137.559
Yxy	70.0064, 0.3151, 0.3541
Android (android.graphics.Color)	4291747785 (0xFFCEDFC9)
YUV	215.4090, -7.1036, -8.2517
Hunter-Lab	83.6698, -13.5423, 12.2266

Details

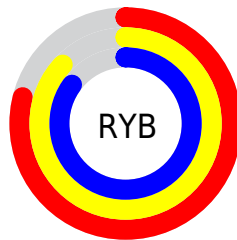
The CIELCh color **87, 13.101, 137.559** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 13.187, 318.403**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 13.157, 137.113** is the 20% darker color. If you saturate the color by 10%, you get **85, 26.472, 137.037**, and if you desaturate by 10%, it is **89, 0.179, 316.780**.

Distribution



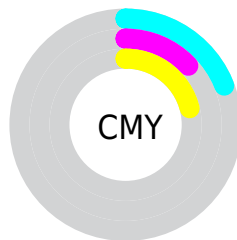
- Red (81%)
- Green (87%)
- Blue (79%)



- Red (79%)
- Yellow (87%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)





- Cyan (19%)
- Magenta (13%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 13.101, 137.559 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 87, 13.101, 137.559 by changing the saturation by 10% instead.


 87, 13.101,
137.559


 87, 13.101,
137.559


 100, 13.101,
137.559


 77, 13.101,
137.559

 67, 13.101,
137.559

 57, 13.101,
137.559

 47, 13.101,
137.559

 37, 13.101,
137.559

 27, 13.101,
137.559

 17, 13.101,

137.559

■ 7, 13.101, 137.559

■ 0, 13.101, 137.559

■ 87, 13.101,
137.559

■ 87, 13.101,
137.559

■ 85, 26.472,
137.037

■ 89, 0.179, 316.780

■ 84, 39.792,
136.459

■ 91, 13.278,
318.374

■ 83, 52.872,
135.835

■ 92, 20.113,
325.124

■ 81, 65.454,
135.191

■ 80, 77.185,

134.579

■ 80, 87.595,
134.089

■ 79, 96.119,
133.843

■ 78, 102.217,
133.965

■ 78, 105.873,
134.427

Harmonies

Complementary

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



87, 13.101, 137.559



83, 13.187, 318.403

Rectangle

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



87, 13.101, 137.559



87, 13.101, 187.559



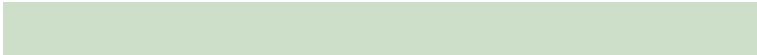
87, 13.101, 317.559



87, 13.101, 7.559

Sweetspot

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



87, 13.103, 137.561



99, 4.417, 137.916



87, 8.985, 97.155



53, 3.352, 137.868



0, 0.000, 0.000



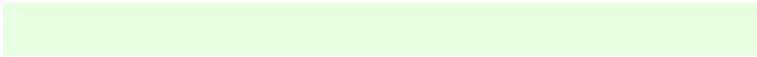
53, 0.007, 296.813

Same Dimension

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



87, 13.103, 137.561



98, 17.787, 137.449



87, 11.652, 152.324



46, 7.577, 137.582



63, 88.588, 134.270



17, 33.325, 135.346

Inverse Universe

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



83, 13.187, 318.403



92, 17.917, 318.504



83, 11.703, 333.597



44, 7.625, 318.384



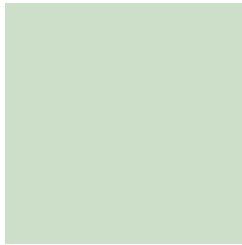
35, 89.515, 319.789



6, 35.270, 320.421

Previews

White Background



This preview shows how the CIELCh color 87, 13.101, 137.559 looks on a white background.

Color Contrast Check

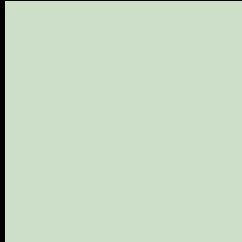
Large Text (above 18pt) WCAG AA × Fail

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 87, 13.101, 137.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

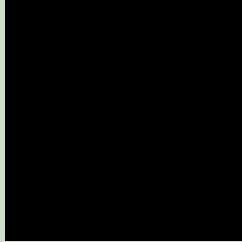
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

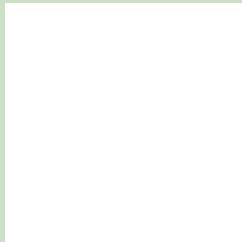
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 13.101, 137.559

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.101, 137.559.

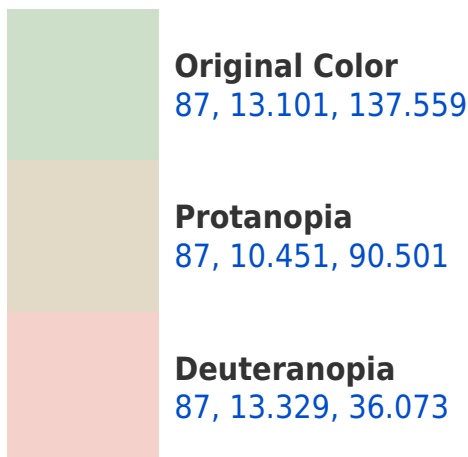


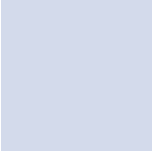
This preview shows how white text looks on a background with the CIELCh color 87, 13.101, 137.559.

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](#).

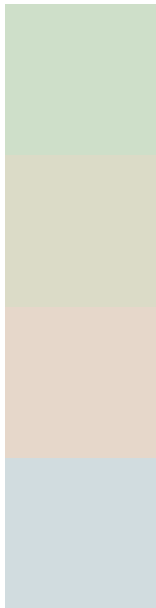
Dichromacy





Tritanopia
87, 9.176, 275.658

Trichromacy



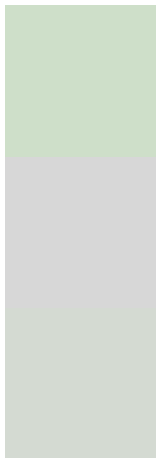
Original Color
87, 13.101, 137.559

Protanomaly
87, 10.418, 109.294

Deuteranomaly
87, 8.787, 69.978

Tritanomaly
87, 4.160, 221.494

Monochromacy



Original Color
87, 13.101, 137.559

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 4.731, 137.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.101, 137.559 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(206, 223, 201)` looks like.

```
.text, #text, p{  
    color:rgb(206, 223, 201)  
}
```

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(206, 223, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 223, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.101, 137.559 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(206, 223, 201) }
```

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

```
.border{ border-color:rgb(206, 223, 201) }
```

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

Here you see how a box with a 4 pixel rgb(206, 223, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 223, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 223, 201);  
box-shadow:4px 4px 4px 4px rgb(206, 223,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.101, 137.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 223, 201) }
```

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

```
.background{ background-color: rgb(206,  
223, 201) }
```

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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