

Converting Colors

CIELCh(87, 11.023, 141.579)

Have a look what the booklet for
CIELCh(87, 11.023, 141.579)
contains.

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Color

CIELCh(87, 10.664, 142.471)

Conversions

Conversions Part 1

Format	Color
Hex	CEDECD
RGB	206, 222, 205
RGB Percent	81%, 87%, 80%
CMY	0.1909, 0.1281, 0.1948
CMYK	0.07, 0.00, 0.08, 0.13
HSL	116°, 21%, 84%
HSV	116°, 8%, 87%
XYZ	62.8085, 70.0064, 68.1624
YIQ	215.2780, -4.0790, -8.6790

Conversions

Conversions Part 2

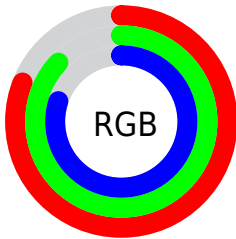
Format	Color
R_{YB}	205, 222, 221
Decimal	13557453
CIE Lab	87.00, -8.46, 6.50
CIE LCh	87, 10.664, 142.471
Yxy	70.0064, 0.3125, 0.3483
Android (android.graphics.Color)	4291747533 (0xFFCEDECD)
YUV	215.2780, -5.0671, -8.1368
Hunter-Lab	83.6698, -12.4275, 10.2677

Details

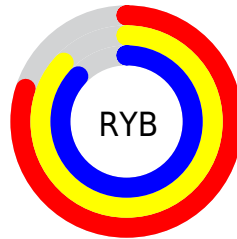
The CIELCh color **87, 10.664, 142.471** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 10.695, 323.223**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 10.584, 142.267** is the 20% darker color. If you saturate the color by 10%, you get **85, 24.741, 141.839**, and if you desaturate by 10%, it is **89, 3.262, 322.893**.

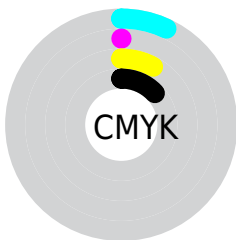
Distribution



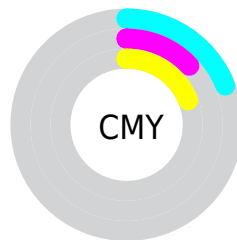
- Red (81%)
- Green (87%)
- Blue (80%)



- Red (80%)
- Yellow (87%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 10.664, 142.471 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, 10.664, 142.471 by changing the saturation by 10% instead.


 87, 10.664,
142.471


 87, 10.664,
142.471


 100, 10.664,
142.471


 77, 10.664,
142.471


 67, 10.664,
142.471

 57, 10.664,
142.471

 47, 10.664,
142.471

 37, 10.664,
142.471

 27, 10.664,
142.471

 17, 10.664,

142.471

■ 7, 10.664, 142.471

■ 0, 10.664, 142.471

■ 87, 10.664,
142.471

■ 87, 10.664,
142.471

■ 85, 24.741,
141.839

■ 89, 3.262, 322.893

■ 83, 38.792,
141.116

■ 91, 16.926,
323.406

■ 82, 52.586,
140.293

■ 92, 20.443,
325.135

■ 81, 65.814,
139.378

■ 80, 78.078,

138.407

■ 79, 88.882,
137.451

■ 78, 97.647,
136.628

■ 78, 103.814,
136.077

■ 78, 107.157,
135.873

Harmonies

Complementary

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



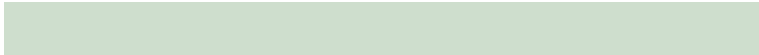
87, 10.664, 142.471



84, 10.695, 323.223

Rectangle

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



87, 10.664, 142.471



87, 10.664, 192.471



87, 10.664, 322.471



87, 10.664, 12.471

Sweetspot

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



87, 10.666, 142.472



100, 3.096, 142.849



88, 8.261, 106.578



53, 1.760, 142.860



0, 0.000, 0.000



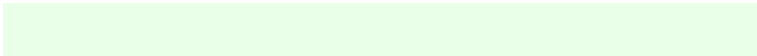
53, 0.007, 296.813

Same Dimension

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



87, 10.666, 142.472



98, 14.039, 142.386



87, 7.960, 159.678



46, 7.987, 142.363



63, 90.356, 135.757



16, 34.717, 138.419

Inverse Universe

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



84, 10.695, 323.223



94, 14.074, 323.300



84, 8.026, 340.771



44, 8.007, 323.320



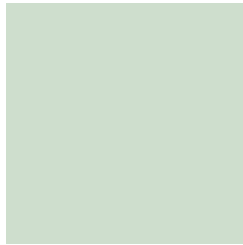
40, 87.773, 325.938



7, 35.877, 326.255

Previews

White Background



This preview shows how the CIELCh color 87, 10.664, 142.471 looks on a white background.

Color Contrast Check

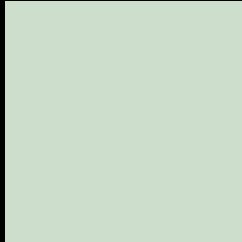
Large Text (above 18pt) WCAG AA × Fail

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, 10.664, 142.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

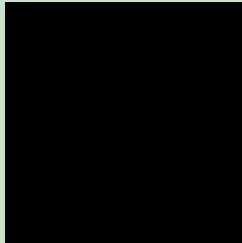
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

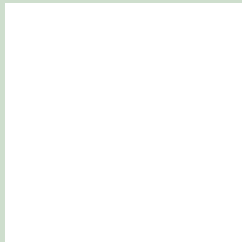
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 10.664, 142.471

Background



This preview shows how black text looks on a background with the CIELCh color 87, 10.664, 142.471.

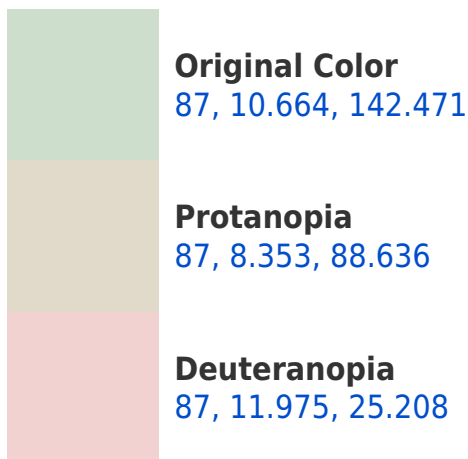


This preview shows how white text looks on a background with the CIELCh color 87, 10.664, 142.471.

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



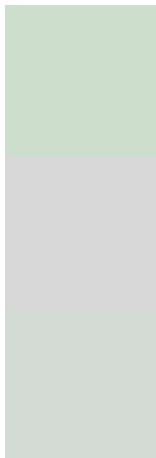
Original Color
87, 10.664, 142.471

Protanomaly
87, 8.348, 112.003

Deuteranomaly
87, 6.631, 53.033

Tritanomaly
87, 4.369, 227.964

Monochromacy



Original Color
87, 10.664, 142.471

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 3.829, 144.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 10.664, 142.471 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, 222, 205)` looks like.

```
.text, #text, p{  
    color:rgb(206, 222, 205)  
}
```

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, 222, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 222, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 10.664, 142.471 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, 222, 205) }
```

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

```
.border{ border-color:rgb(206, 222, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 222, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 222, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 222, 205);  
box-shadow:4px 4px 4px 4px rgb(206, 222,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 10.664, 142.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 222, 205) }
```

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

```
.background{ background-color: rgb(206,  
222, 205) }
```

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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