

Converting Colors

CIELCh(87, 12.463, 149.897)

Have a look what the booklet for
CIELCh(87, 12.463, 149.897)
contains.

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Color

CIELCh(87, 12.620, 150.488)

Conversions

Conversions Part 1

Format	Color
Hex	C9E0CE
RGB	201, 224, 206
RGB Percent	79%, 88%, 81%
CMY	0.2127, 0.1225, 0.1931
CMYK	0.10, 0.00, 0.08, 0.12
HSL	133°, 27%, 83%
HSV	133°, 10%, 88%
XYZ	61.7221, 70.0064, 68.4969
YIQ	215.0710, -7.9300, -10.4740

Conversions

Conversions Part 2

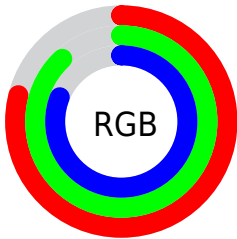
Format	Color
R _Y B	201, 220, 224
Decimal	13230286
CIE Lab	87.00, -10.98, 6.22
CIE LCh	87, 12.620, 150.488
Yxy	70.0064, 0.3083, 0.3496
Android (android.graphics.Color)	4291420366 (0xFFC9E0CE)
YUV	215.0710, -4.4720, -12.3403
Hunter-Lab	83.6698, -14.7451, 10.0307

Details

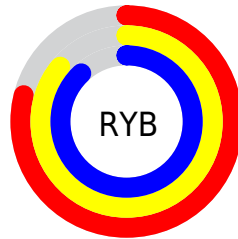
The CIELCh color **87, 12.620, 150.488** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 12.666, 331.768**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 12.648, 150.651** is the 20% darker color. If you saturate the color by 10%, you get **85, 24.994, 149.703**, and if you desaturate by 10%, it is **89, 0.331, 152.156**.

Distribution



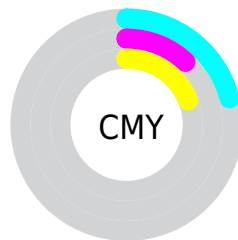
- Red (79%)
- Green (88%)
- Blue (81%)



- Red (79%)
- Yellow (86%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)



- Cyan (21%)
- Magenta (12%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 12.620, 150.488 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, 12.620, 150.488 by changing the saturation by 10% instead.

 87, 12.620,
150.488

 87, 12.620,
150.488

 100, 12.620,
150.488

 77, 12.620,
150.488

 67, 12.620,
150.488

 57, 12.620,
150.488

 47, 12.620,
150.488

 37, 12.620,
150.488

 27, 12.620,
150.488

 17, 12.620,

150.488

■ 7, 12.620, 150.488

■ 0, 12.620, 150.488

■ 87, 12.620,
150.488

■ 87, 12.620,
150.488

■ 85, 24.994,
149.703

■ 89, 0.331, 152.156

■ 84, 37.291,
148.804

■ 91, 11.761,
331.675

■ 82, 49.311,
147.765

■ 92, 19.545,
325.104

■ 81, 60.819,
146.567

■ 80, 71.550,

145.201

■ 79, 81.237,
143.673

■ 79, 89.626,
142.016

■ 78, 96.503,
140.300

■ 78, 101.661,
138.729

Harmonies

Complementary

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



87, 12.620, 150.488



83, 12.666, 331.768

Rectangle

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



87, 12.620, 150.488



87, 12.620, 200.488



87, 12.620, 330.488



87, 12.620, 20.488

Sweetspot

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



87, 12.622, 150.487



99, 4.070, 151.045



88, 12.095, 117.960



53, 3.089, 150.973



0, 0.000, 0.000



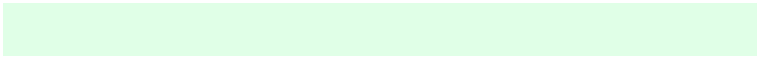
53, 0.007, 296.813

Same Dimension

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



87, 12.622, 150.487



97, 16.400, 150.352



87, 8.870, 176.233



46, 6.986, 150.549



63, 84.388, 139.009



16, 31.514, 143.473

Inverse Universe

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



83, 12.666, 331.768



92, 16.460, 331.889



83, 9.152, 358.058



44, 7.010, 331.712



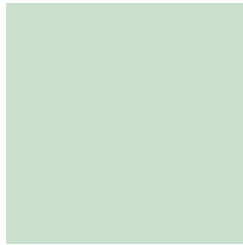
40, 74.007, 339.186



7, 31.013, 337.037

Previews

White Background



This preview shows how the CIELCh color 87, 12.620, 150.488 looks on a white background.

Color Contrast Check

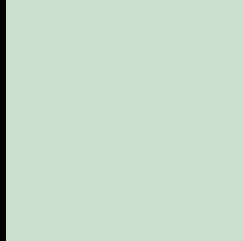
Large Text (above 18pt) WCAG AA × Fail

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, 12.620, 150.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

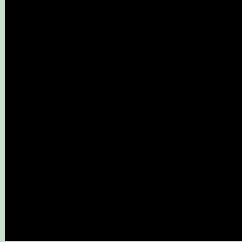
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

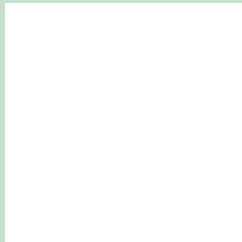
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 12.620, 150.488

Background



This preview shows how black text looks on a background with the CIELCh color 87, 12.620, 150.488.

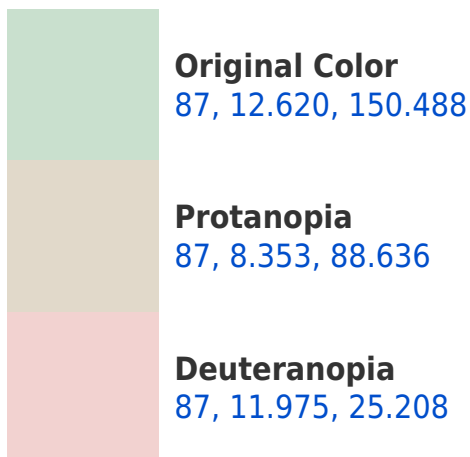


This preview shows how white text looks on a background with the CIELCh color 87, 12.620, 150.488.

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](#).

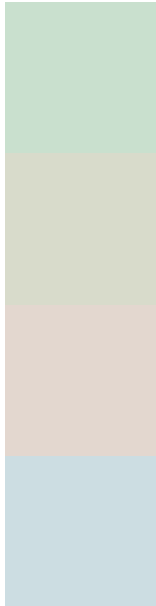
Dichromacy





Tritanopia
87, 10.324, 265.465

Trichromacy



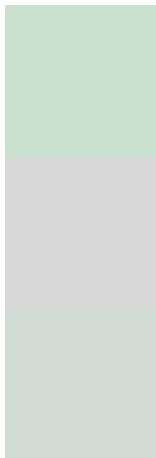
Original Color
87, 12.620, 150.488

Protanomaly
87, 8.422, 117.009

Deuteranomaly
87, 6.072, 62.919

Tritanomaly
87, 6.429, 223.184

Monochromacy



Original Color
87, 12.620, 150.488

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 4.286, 152.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 12.620, 150.488 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(201, 224, 206)` looks like.

```
.text, #text, p{  
    color:rgb(201, 224, 206)  
}
```

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(201, 224, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 224, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 12.620, 150.488 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(201, 224, 206) }
```

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

```
.border{ border-color:rgb(201, 224, 206) }
```

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

Here you see how a box with a 4 pixel rgb(201, 224, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 224, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 224, 206);  
box-shadow:4px 4px 4px 4px rgb(201, 224,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 12.620, 150.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 224, 206) }
```

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

```
.background{ background-color: rgb(201,  
224, 206) }
```

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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