

Converting Colors

CIELCh(87, 15.820, 107.693)

Have a look what the booklet for
CIELCh(87, 15.820, 107.693)
contains.

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Color

CIELCh(87, 16.120, 107.469)

Conversions

Conversions Part 1

Format	Color
Hex	DDDCBD
RGB	221, 220, 189
RGB Percent	87%, 86%, 74%
CMY	0.1346, 0.1385, 0.2600
CMYK	0.00, 0.00, 0.14, 0.13
HSL	58°, 32%, 80%
HSV	58°, 14%, 87%
XYZ	64.3869, 70.0064, 58.0899
YIQ	216.7650, 10.5470, -9.4290

Conversions

Conversions Part 2

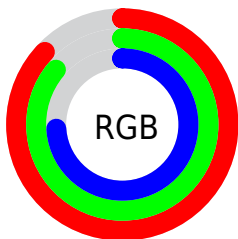
Format	Color
RYB	190, 221, 189
Decimal	14539965
CIELab	87.00, -4.84, 15.38
CIELCh	87, 16.120, 107.469
Yxy	70.0064, 0.3345, 0.3637
Android (android.graphics.Color)	4292730045 (0xFFDDDCBD)
YUV	216.7650, -13.6881, 3.7141
Hunter-Lab	83.6698, -9.0602, 17.4053

Details

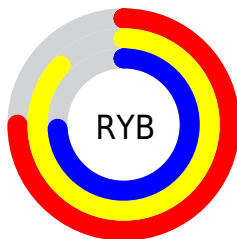
The CIELCh color **87, 16.120, 107.469** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 16.631, 290.514**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 5.059, 109.785**, and **67, 15.896, 107.054** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.158, 106.475**, and if you desaturate by 10%, it is **88, 5.000, 108.458**.

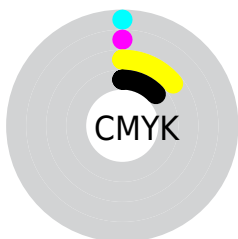
Distribution



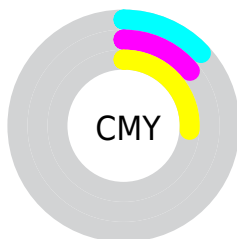
- Red (87%)
- Green (86%)
- Blue (74%)



- Red (75%)
- Yellow (87%)
- Blue (74%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)





- Cyan (13%)
- Magenta (14%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 16.120, 107.469 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, 16.120, 107.469 by changing the saturation by 10% instead.


 87, 16.120,
107.469

 87, 16.120,
107.469


 100, 16.120,
107.469


 77, 16.120,
107.469

 67, 16.120,
107.469

 57, 16.120,
107.469

 47, 16.120,
107.469

 37, 16.120,
107.469

 27, 16.120,
107.469

 17, 16.120,

107.469

■ 7, 16.120, 107.469

■ 0, 16.120, 107.469

■ 87, 16.120,
107.469

■ 87, 16.120,
107.469

■ 86, 27.158,
106.475

■ 88, 5.000, 108.458

■ 86, 38.014,
105.479

■ 88, 6.146, 289.461

■ 85, 48.539,
104.507

■ 89, 17.278,
290.396

■ 85, 58.495,
103.585

■ 89, 16.965,
289.569

■ 85, 67.524,

■ 90, 16.604,
288.700

102.743

90, 16.248,
287.793

84, 75.131,
102.014

90, 15.896,
286.847

84, 80.743,
101.432

90, 15.549,
285.859

84, 83.931,
101.015

90, 15.206,
284.829

84, 84.897,
100.837

Harmonies

Complementary

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



87, 16.120, 107.469



78, 16.631, 290.514

Rectangle

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



87, 16.120, 107.469



87, 16.120, 157.469



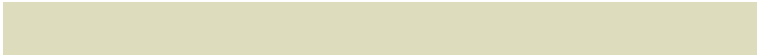
87, 16.120, 287.469



87, 16.120, 337.469

Sweetspot

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



87, 16.122, 107.475



100, 5.001, 108.502



79, 12.134, 17.684



53, 3.555, 108.430



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, 16.122, 107.475



99, 21.246, 107.212



86, 17.615, 127.232



46, 6.285, 107.978



67, 70.939, 100.870



18, 25.706, 102.503

Inverse Universe

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



78, 16.631, 290.514



86, 22.044, 290.847



79, 17.995, 308.580



42, 6.417, 289.916



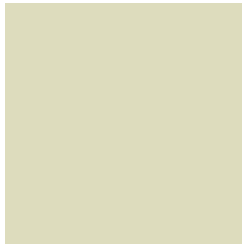
21, 98.754, 305.884



2, 28.960, 294.261

Previews

White Background



This preview shows how the CIELCh color 87, 16.120, 107.469 looks on a white background.

Color Contrast Check

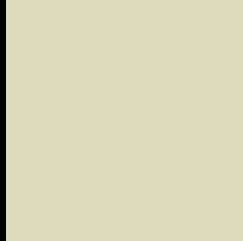
Large Text (above 18pt) WCAG AA × Fail

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, 16.120, 107.469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

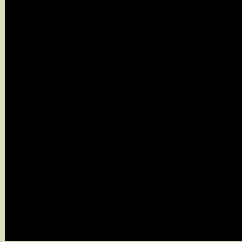
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

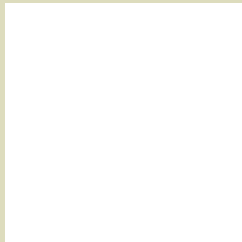
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 16.120, 107.469

Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.120, 107.469.

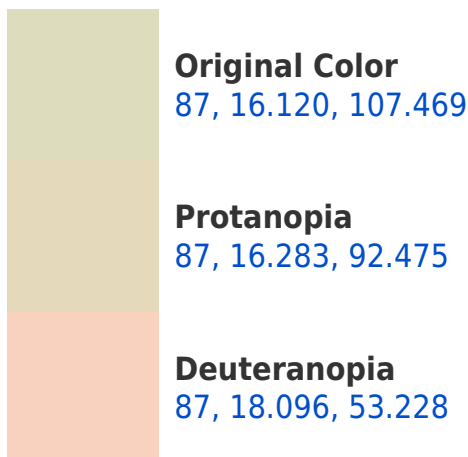


This preview shows how white text looks on a background with the CIELCh color 87, 16.120, 107.469.

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](#).

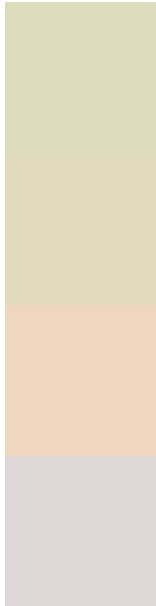
Dichromacy





Tritanopia
87, 9.917, 316.207

Trichromacy



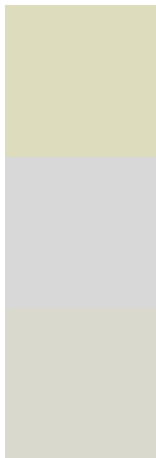
Original Color
87, 16.120, 107.469

Protanomaly
87, 15.904, 97.804

Deuteranomaly
87, 15.805, 71.772

Tritanomaly
87, 2.902, 19.414

Monochromacy



Original Color
87, 16.120, 107.469

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 5.747, 106.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 16.120, 107.469 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(221, 220, 189)` looks like.

```
.text, #text, p{  
    color:rgb(221, 220, 189)  
}
```

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(221, 220, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 220, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 16.120, 107.469 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(221, 220, 189) }
```

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

```
.border{ border-color:rgb(221, 220, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 220, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 220, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 220, 189);  
box-shadow:4px 4px 4px 4px rgb(221, 220,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 16.120, 107.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 220, 189) }
```

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

```
.background{ background-color: rgb(221,  
220, 189) }
```

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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