

Converting Colors

CIELCh(87, 22.855, 105.051)

Have a look what the booklet for
CIELCh(87, 22.855, 105.051)
contains.

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Color

CIELCh(87, 22.855, 105.332)

Conversions

Conversions Part 1

Format	Color
Hex	DFDCB0
RGB	223, 220, 176
RGB Percent	87%, 86%, 69%
CMY	0.1255, 0.1372, 0.3098
CMYK	0.00, 0.01, 0.21, 0.13
HSL	56°, 42%, 78%
HSV	56°, 21%, 87%
XYZ	63.8587, 70.0064, 51.2195
YIQ	215.8810, 15.9120, -13.0480

Conversions

Conversions Part 2

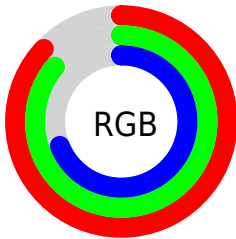
Format	Color
RYB	179, 223, 176
Decimal	14671024
CIELab	87.00, -6.04, 22.04
CIELCh	87, 22.855, 105.332
Yxy	70.0064, 0.3450, 0.3782
Android (android.graphics.Color)	4292861104 (0xFFDFDCB0)
YUV	215.8810, -19.6613, 6.2434
Hunter-Lab	83.6698, -10.1870, 22.2738

Details

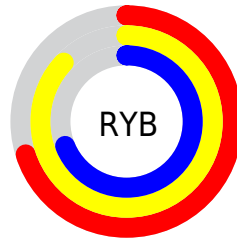
The CIELCh color **87, 22.855, 105.332** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **74, 23.847, 290.012**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.641, 109.297**, and **67, 22.950, 105.692** is the 20% darker color. If you saturate the color by 10%, you get **86, 33.572, 104.299**, and if you desaturate by 10%, it is **88, 12.027, 106.367**.

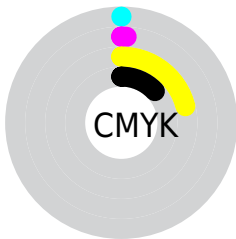
Distribution



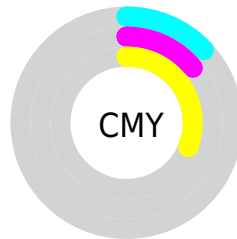
- Red (87%)
- Green (86%)
- Blue (69%)



- Red (70%)
- Yellow (87%)
- Blue (69%)



- Cyan (0%)
- Magenta (1%)
- Yellow (21%)
- Black (13%)





- Cyan (13%)
- Magenta (14%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 22.855, 105.332 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, 22.855, 105.332 by changing the saturation by 10% instead.


 87, 22.855,
105.332


 87, 22.855,
105.332


 100, 22.855,
105.332


 77, 22.855,
105.332

 67, 22.855,
105.332

 57, 22.855,
105.332

 47, 22.855,
105.332

 37, 22.855,
105.332

 27, 22.855,
105.332

 17, 22.855,

105.332

■ 7, 22.855, 105.332

■ 0, 22.855, 105.332

■ 87, 22.855,
105.332

■ 87, 22.855,
105.332

■ 86, 33.572,
104.299

■ 88, 12.027,
106.367

■ 86, 44.052,
103.270

■ 89, 1.159, 107.306

■ 85, 54.101,
102.271

■ 90, 9.702, 288.388

■ 84, 63.412,
101.323

■ 90, 15.244,
287.997

■ 84, 71.533,

■ 91, 14.520,
285.867

100.456

91, 13.818,
283.523

83, 77.880, 99.696

91, 13.142,
280.939

83, 81.890, 99.059

82, 83.581, 98.579

92, 12.495,
278.089

92, 11.883,
274.943

Harmonies

Complementary

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



87, 22.855, 105.332



74, 23.847, 290.012

Rectangle

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



87, 22.855, 105.332



87, 22.855, 155.332



87, 22.855, 285.332



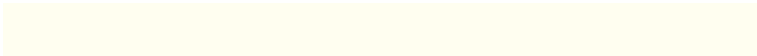
87, 22.855, 335.332

Sweetspot

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



87, 22.857, 105.337



99, 7.261, 106.874



76, 18.223, 15.717



53, 4.817, 106.808



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, 22.857, 105.337



98, 30.191, 104.910



86, 25.627, 125.687



47, 6.197, 106.532



67, 70.070, 98.649



18, 26.291, 100.341

Inverse Universe

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



74, 23.847, 290.012



80, 31.794, 290.609



75, 26.492, 307.789



43, 6.319, 288.527



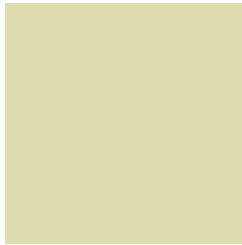
21, 98.368, 305.475



3, 30.234, 294.517

Previews

White Background



This preview shows how the CIELCh color 87, 22.855, 105.332 looks on a white background.

Color Contrast Check

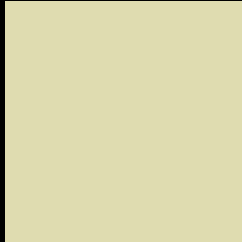
Large Text (above 18pt) WCAG AA × Fail

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, 22.855, 105.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

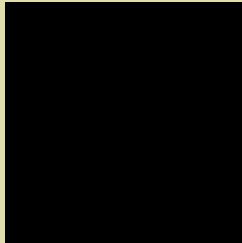
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

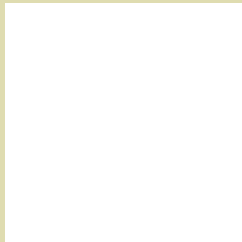
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 22.855, 105.332

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.855, 105.332.



This preview shows how white text looks on a background with the CIELCh color 87, 22.855, 105.332.

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
87, 22.855, 105.332

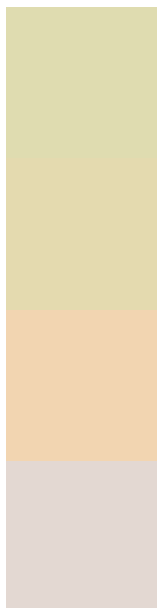
Protanopia
87, 22.524, 94.283

Deuteranopia
87, 23.912, 62.359



Tritanopia
87, 10.390, 326.447

Trichromacy



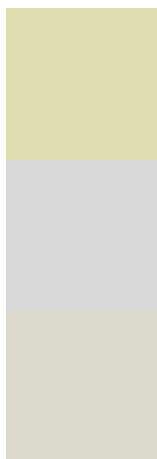
Original Color
87, 22.855, 105.332

Protanomaly
87, 22.680, 98.395

Deuteranomaly
87, 22.035, 77.516

Tritanomaly
87, 5.094, 57.379

Monochromacy



Original Color
87, 22.855, 105.332

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.375, 104.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.855, 105.332 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(223, 220, 176)` looks like.

```
.text, #text, p{  
    color:rgb(223, 220, 176)  
}
```

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(223, 220, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 220, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.855, 105.332 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(223, 220, 176) }
```

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

```
.border{ border-color:rgb(223, 220, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 220, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 220, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 220, 176);  
box-shadow:4px 4px 4px 4px rgb(223, 220,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.855, 105.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 220, 176) }
```

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

```
.background{ background-color: rgb(223,  
220, 176) }
```

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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