

Converting Colors

CIELCh(87, 18.093, 106.247)

Have a look what the booklet for
CIELCh(87, 18.093, 106.247)
contains.

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Color

CIELCh(87, 18.199, 106.237)

Conversions

Conversions Part 1

Format	Color
Hex	DEDCB9
RGB	222, 220, 185
RGB Percent	87%, 86%, 73%
CMY	0.1306, 0.1384, 0.2756
CMYK	0.00, 0.01, 0.17, 0.13
HSL	57°, 36%, 80%
HSV	57°, 17%, 87%
XYZ	64.2771, 70.0064, 55.8664
YIQ	216.6080, 12.4270, -10.4610

Conversions

Conversions Part 2

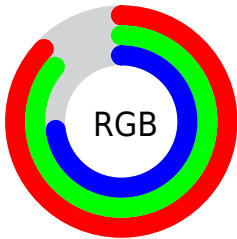
Format	Color
RYB	187, 222, 185
Decimal	14605497
CIELab	87.00, -5.09, 17.47
CIELCh	87, 18.199, 106.237
Yxy	70.0064, 0.3380, 0.3682
Android (android.graphics.Color)	4292795577 (0xFFDEDCB9)
YUV	216.6080, -15.5827, 4.7288
Hunter-Lab	83.6698, -9.2943, 18.9809

Details

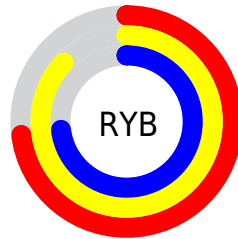
The CIELCh color **87, 18.199, 106.237** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 18.830, 289.839**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 7.086, 109.637**, and **67, 18.083, 105.697** is the 20% darker color. If you saturate the color by 10%, you get **86, 29.023, 105.217**, and if you desaturate by 10%, it is **88, 7.294, 107.253**.

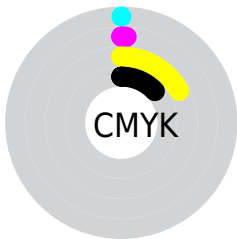
Distribution



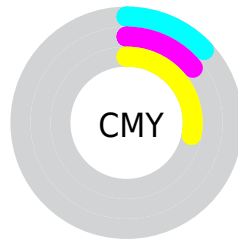
- Red (87%)
- Green (86%)
- Blue (73%)



- Red (73%)
- Yellow (87%)
- Blue (73%)



- Cyan (0%)
- Magenta (1%)
- Yellow (17%)
- Black (13%)





- Cyan (13%)
- Magenta (14%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 18.199, 106.237 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, 18.199, 106.237 by changing the saturation by 10% instead.


 87, 18.199,
106.237


 87, 18.199,
106.237


 100, 18.199,
106.237


 77, 18.199,
106.237

 67, 18.199,
106.237

 57, 18.199,
106.237

 47, 18.199,
106.237

 37, 18.199,
106.237

 27, 18.199,
106.237

 17, 18.199,

106.237

■ 7, 18.199, 106.237

■ 0, 18.199, 106.237

■ 87, 18.199,
106.237

■ 87, 18.199,
106.237

■ 86, 29.023,
105.217

■ 88, 7.294, 107.253

■ 86, 39.661,
104.196

■ 89, 3.634, 288.287

■ 85, 49.954,
103.196

■ 90, 14.545,
289.234

■ 84, 59.647,
102.243

■ 90, 15.879,
288.076

■ 84, 68.354,

■ 90, 15.267,
286.373

101.363

91, 14.670,
284.533

83, 75.546,
100.587

91, 14.089,
282.544

83, 80.632, 99.940

91, 13.526,
280.390

83, 83.242, 99.427

83, 83.796, 99.274

91, 12.984,
278.059

Harmonies

Complementary

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



87, 18.199, 106.237



77, 18.830, 289.839

Rectangle

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



87, 18.199, 106.237



87, 18.199, 156.237



87, 18.199, 286.237



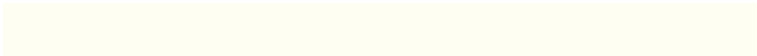
87, 18.199, 336.237

Sweetspot

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



87, 18.201, 106.243



100, 6.110, 107.414



78, 14.142, 15.246



53, 4.169, 107.345



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, 18.201, 106.243



98, 24.423, 105.887



86, 20.200, 125.909



46, 6.142, 106.979



66, 69.795, 99.335



17, 25.133, 101.205

Inverse Universe

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



77, 18.830, 289.839



84, 25.457, 290.303



77, 20.735, 307.541



42, 6.265, 288.953



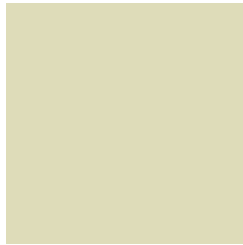
21, 97.711, 305.589



2, 28.492, 293.761

Previews

White Background



This preview shows how the CIELCh color 87, 18.199, 106.237 looks on a white background.

Color Contrast Check

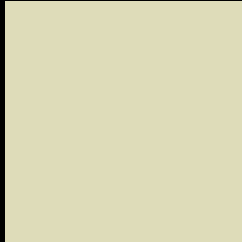
Large Text (above 18pt) WCAG AA × Fail

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, 18.199, 106.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

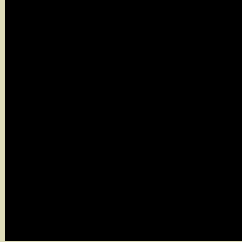
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

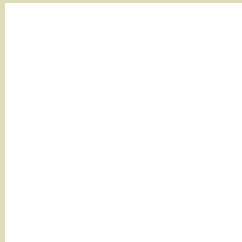
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 18.199, 106.237

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.199, 106.237.



This preview shows how white text looks on a background with the CIELCh color 87, 18.199, 106.237.

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, 18.199, 106.237

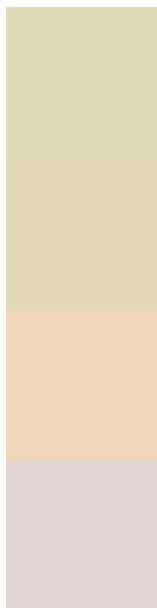
Protanopia
87, 17.790, 93.691

Deuteranopia
87, 19.740, 57.359



Tritanopia
87, 10.432, 321.543

Trichromacy



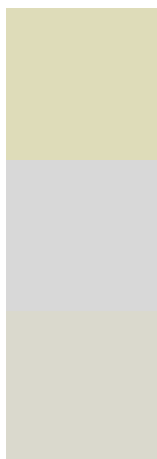
Original Color
87, 18.199, 106.237

Protanomaly
87, 17.950, 98.836

Deuteranomaly
87, 17.771, 74.537

Tritanomaly
87, 4.039, 26.966

Monochromacy



Original Color
87, 18.199, 106.237

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 6.268, 106.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.199, 106.237 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(222, 220, 185)` looks like.

```
.text, #text, p{  
    color:rgb(222, 220, 185)  
}
```

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(222, 220, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 220, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.199, 106.237 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(222, 220, 185) }
```

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

```
.border{ border-color:rgb(222, 220, 185) }
```

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

Here you see how a box with a 4 pixel rgb(222, 220, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 220, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 220, 185);  
box-shadow:4px 4px 4px 4px rgb(222, 220,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.199, 106.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 220, 185) }
```

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

```
.background{ background-color: rgb(222,  
220, 185) }
```

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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