

Converting Colors

CIELCh(87, 16.745, 112.404)

Have a look what the booklet for
CIELCh(87, 16.745, 112.404)
contains.

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Color

CIELCh(87, 17.189, 112.516)

Conversions

Conversions Part 1

Format	Color
Hex	DADDBC
RGB	218, 221, 188
RGB Percent	85%, 87%, 74%
CMY	0.1464, 0.1346, 0.2640
CMYK	0.01, 0.00, 0.15, 0.13
HSL	65°, 32%, 80%
HSV	65°, 15%, 87%
XYZ	63.6231, 70.0064, 57.5520
YIQ	216.3410, 8.8050, -10.8990

Conversions

Conversions Part 2

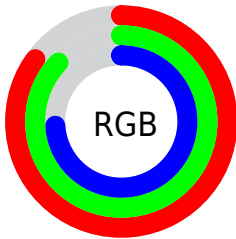
Format	Color
RYB	188, 221, 191
Decimal	14343612
CIELab	87.00, -6.58, 15.88
CIELCh	87, 17.189, 112.516
Yxy	70.0064, 0.3328, 0.3662
Android (android.graphics.Color)	4292533692 (0xFFDADDBC)
YUV	216.3410, -13.9721, 1.4549
Hunter-Lab	83.6698, -10.6897, 17.7865

Details

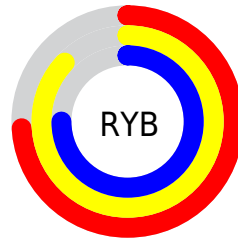
The CIELCh color **87, 17.189, 112.516** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 17.783, 295.129**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **67, 17.018, 112.479** is the 20% darker color. If you saturate the color by 10%, you get **86, 28.569, 111.686**, and if you desaturate by 10%, it is **88, 5.700, 113.348**.

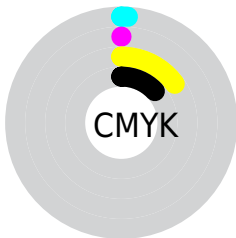
Distribution



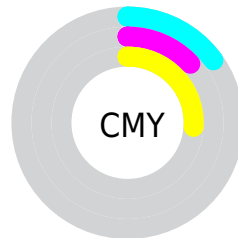
- Red (85%)
- Green (87%)
- Blue (74%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)





- Cyan (15%)
- Magenta (13%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 17.189, 112.516 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, 17.189, 112.516 by changing the saturation by 10% instead.


 87, 17.189,
112.516


 87, 17.189,
112.516


 100, 17.189,
112.516


 77, 17.189,
112.516

 67, 17.189,
112.516

 57, 17.189,
112.516

 47, 17.189,
112.516

 37, 17.189,
112.516

 27, 17.189,
112.516

 17, 17.189,

112.516

■ 7, 17.189, 112.516

■ 0, 17.189, 112.516

■ 87, 17.189,
112.516

■ 87, 17.189,
112.516

■ 86, 28.569,
111.686

■ 88, 5.700, 113.348

■ 86, 39.728,
110.862

■ 88, 5.836, 294.170

■ 85, 50.507,
110.077

■ 89, 17.368,
294.950

■ 85, 60.660,
109.364

■ 89, 18.012,
297.034

■ 85, 69.823,

■ 89, 18.096,
299.182

108.773

90, 18.204,
301.316

84, 77.505,
108.364

90, 18.337,
303.430

84, 83.163,
108.203

90, 18.493,
305.520

84, 86.425,
108.340

90, 18.674,
307.581

84, 87.415,
108.490

Harmonies

Complementary

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



87, 17.189, 112.516



77, 17.783, 295.129

Rectangle

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



87, 17.189, 112.516



87, 17.189, 162.516



87, 17.189, 292.516



87, 17.189, 342.516

Sweetspot

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



87, 17.191, 112.521



100, 5.175, 113.422



80, 11.607, 27.455



53, 3.679, 113.361



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, 17.191, 112.521



99, 23.247, 112.254



86, 18.696, 131.284



46, 6.501, 112.980



67, 73.008, 108.402



18, 26.585, 109.292

Inverse Universe

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



77, 17.783, 295.129



86, 24.227, 295.465



79, 19.011, 312.561



42, 6.645, 294.586



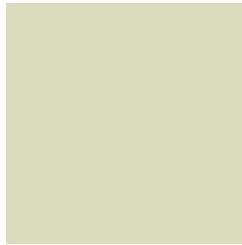
21, 99.715, 306.596



2, 29.720, 297.154

Previews

White Background



This preview shows how the CIELCh color 87, 17.189, 112.516 looks on a white background.

Color Contrast Check

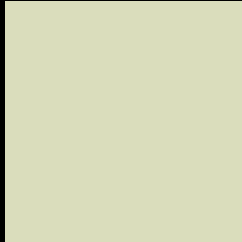
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 87, 17.189, 112.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

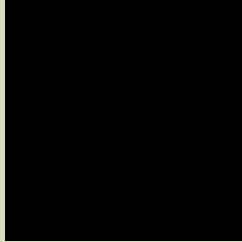
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

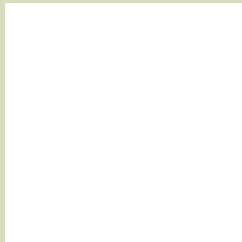
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 17.189, 112.516

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.189, 112.516.

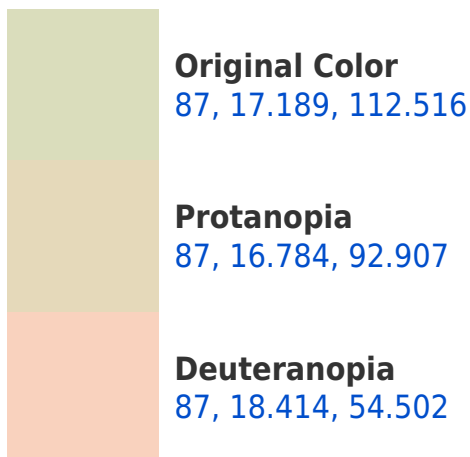


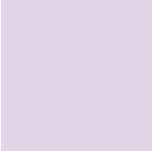
This preview shows how white text looks on a background with the CIELCh color 87, 17.189, 112.516.

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](#).

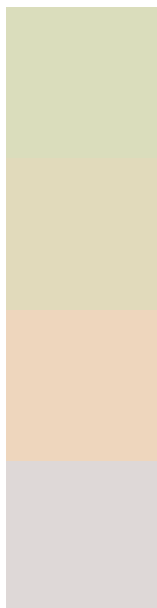
Dichromacy





Tritanopia
87, 9.631, 312.382

Trichromacy



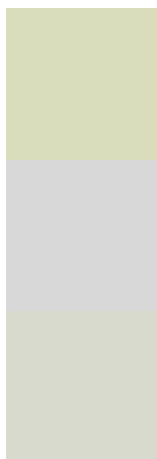
Original Color
87, 17.189, 112.516

Protanomaly
87, 16.349, 99.411

Deuteranomaly
87, 16.001, 73.919

Tritanomaly
87, 2.231, 32.824

Monochromacy



Original Color
87, 17.189, 112.516

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 6.272, 112.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.189, 112.516 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(218, 221, 188)` looks like.

```
.text, #text, p{  
    color:rgb(218, 221, 188)  
}
```

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(218, 221, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 221, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.189, 112.516 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(218, 221, 188) }
```

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

```
.border{ border-color:rgb(218, 221, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 221, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 221, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 221, 188);  
box-shadow:4px 4px 4px 4px rgb(218, 221,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.189, 112.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 188) }
```

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

```
.background{ background-color: rgb(218,  
221, 188) }
```

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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