

Converting Colors

CIELCh(87, 18.593, 119.882)

Have a look what the booklet for
CIELCh(87, 18.593, 119.882)
contains.

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Color

CIELCh(87, 18.515, 119.209)

Conversions

Conversions Part 1

Format	Color
Hex	D5DEBB
RGB	213, 222, 187
RGB Percent	84%, 87%, 73%
CMY	0.1645, 0.1292, 0.2665
CMYK	0.04, 0.00, 0.16, 0.13
HSL	75°, 35%, 80%
HSV	75°, 16%, 87%
XYZ	62.5586, 70.0064, 57.2514
YIQ	215.3190, 5.8710, -12.7930

Conversions

Conversions Part 2

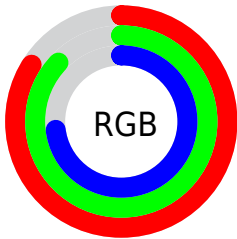
Format	Color
RYB	187, 222, 196
Decimal	14016187
CIELab	87.00, -9.04, 16.16
CIELCh	87, 18.515, 119.209
Yxy	70.0064, 0.3296, 0.3688
Android (android.graphics.Color)	4292206267 (0xFFD5DEBB)
YUV	215.3190, -13.9613, -2.0338
Hunter-Lab	83.6698, -12.9605, 17.9994

Details

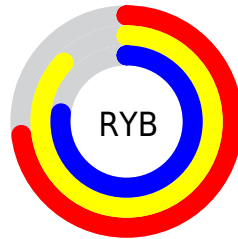
The CIELCh color **87, 18.515, 119.209** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 19.116, 301.244**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 6.073, 109.711**, and **67, 18.433, 119.602** is the 20% darker color. If you saturate the color by 10%, you get **86, 30.158, 118.581**, and if you desaturate by 10%, it is **88, 6.774, 119.840**.

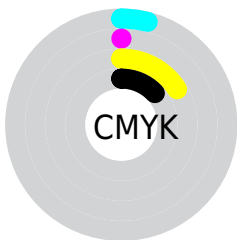
Distribution



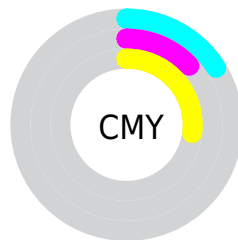
- Red (84%)
- Green (87%)
- Blue (73%)



- Red (73%)
- Yellow (87%)
- Blue (77%)



- Cyan (4%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)



- Cyan (16%)
- Magenta (13%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 18.515, 119.209 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, 18.515, 119.209 by changing the saturation by 10% instead.

 87, 18.515,
119.209

 87, 18.515,
119.209


 100, 18.515,
119.209


 77, 18.515,
119.209


 67, 18.515,
119.209

 57, 18.515,
119.209

 47, 18.515,
119.209

 37, 18.515,
119.209

 27, 18.515,
119.209

 17, 18.515,

119.209

■ 7, 18.515, 119.209

■ 0, 18.515, 119.209

■ 87, 18.515,
119.209

■ 87, 18.515,
119.209

■ 86, 30.158,
118.581

■ 88, 6.774, 119.840

■ 85, 41.587,
117.962

■ 89, 4.994, 300.430

■ 85, 52.638,
117.386

■ 90, 16.735,
301.008

■ 84, 63.060,
116.902

■ 90, 17.850,
306.878

■ 83, 72.489,

■ 91, 18.474,
312.809

116.578

91, 19.280,
318.361

83, 80.437,
116.506

92, 20.251,
323.479

83, 86.370,
116.791

92, 20.622,
325.142

82, 89.946,
117.516

82, 91.002,
117.905

Harmonies

Complementary

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



87, 18.515, 119.209



78, 19.116, 301.244

Rectangle

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



87, 18.515, 119.209



87, 18.515, 169.209



87, 18.515, 299.209



87, 18.515, 349.209

Sweetspot

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



87, 18.517, 119.213



99, 6.572, 119.885



81, 11.050, 44.732



53, 4.485, 119.841



0, 0.000, 0.000



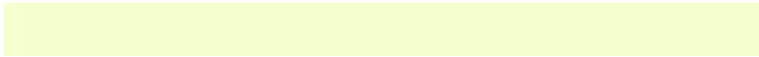
53, 0.007, 296.813

Same Dimension

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



87, 18.517, 119.213



98, 24.946, 118.999



86, 20.773, 136.576



47, 6.732, 119.610



66, 76.398, 117.700



18, 28.772, 117.676

Inverse Universe

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



78, 19.116, 301.244



85, 25.936, 301.503



79, 20.980, 317.964



43, 6.866, 300.790



23, 98.951, 307.843



3, 32.169, 302.085

Previews

White Background



This preview shows how the CIELCh color 87, 18.515, 119.209 looks on a white background.

Color Contrast Check

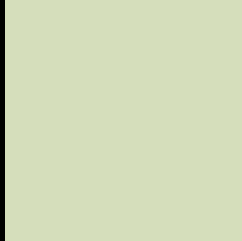
Large Text (above 18pt) WCAG AA × Fail

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, 18.515, 119.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

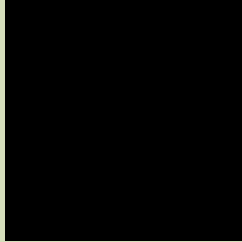
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

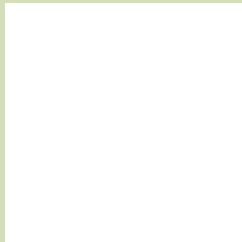
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 18.515, 119.209

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.515, 119.209.

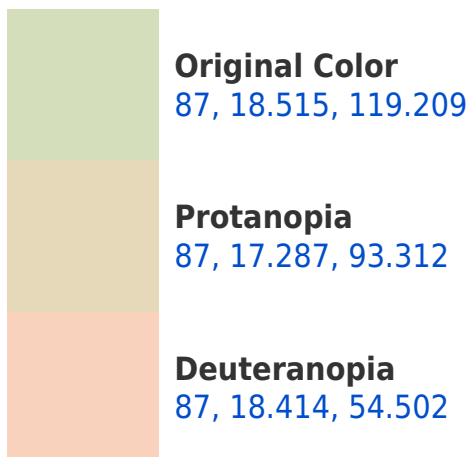


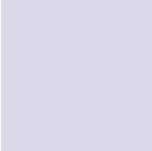
This preview shows how white text looks on a background with the CIELCh color 87, 18.515, 119.209.

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](#).

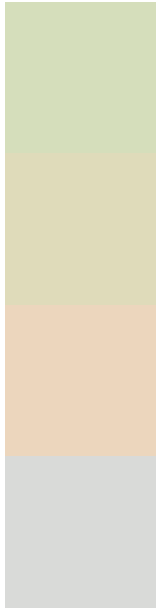
Dichromacy





Tritanopia
87, 9.039, 299.827

Trichromacy



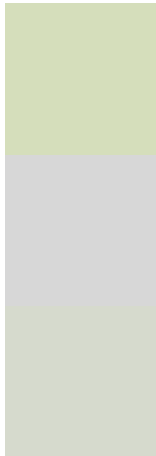
Original Color
87, 18.515, 119.209

Protanomaly
87, 17.225, 103.644

Deuteranomaly
87, 15.559, 76.242

Tritanomaly
87, 1.100, 129.144

Monochromacy



Original Color
87, 18.515, 119.209

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 6.954, 121.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.515, 119.209 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(213, 222, 187)` looks like.

```
.text, #text, p{  
    color:rgb(213, 222, 187)  
}
```

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(213, 222, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 222, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.515, 119.209 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(213, 222, 187) }
```

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

```
.border{ border-color:rgb(213, 222, 187) }
```

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

Here you see how a box with a 4 pixel rgb(213, 222, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 222, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 222, 187);  
box-shadow:4px 4px 4px 4px rgb(213, 222,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.515, 119.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 222, 187) }
```

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

```
.background{ background-color: rgb(213,  
222, 187) }
```

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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