

Converting Colors

CIELCh(87, 16.066, 114.340)

Have a look what the booklet for
CIELCh(87, 16.066, 114.340)
contains.

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Color

CIELCh(87, 16.192, 114.158)

Conversions

Conversions Part 1

Format	Color
Hex	D9DDBE
RGB	217, 221, 190
RGB Percent	85%, 87%, 75%
CMY	0.1500, 0.1343, 0.2558
CMYK	0.02, 0.00, 0.14, 0.13
HSL	68°, 31%, 80%
HSV	68°, 14%, 87%
XYZ	63.6037, 70.0064, 58.7397
YIQ	216.2700, 7.5670, -10.4890

Conversions

Conversions Part 2

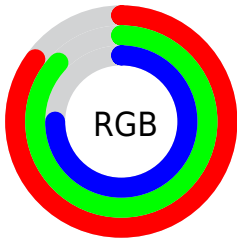
Format	Color
R_{YB}	190, 221, 194
Decimal	14278078
CIE _{Lab}	87.00, -6.63, 14.77
CIE _{LCh}	87, 16.192, 114.158
Yxy	70.0064, 0.3307, 0.3640
Android (android.graphics.Color)	4292468158 (0xFFD9DDBE)
YUV	216.2700, -12.9511, 0.6402
Hunter-Lab	83.6698, -10.7309, 16.9448

Details

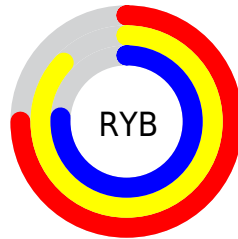
The CIELCh color **87, 16.192, 114.158** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 16.709, 296.436**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 4.553, 109.821**, and **67, 15.974, 114.283** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.622, 113.380**, and if you desaturate by 10%, it is **88, 4.663, 114.936**.

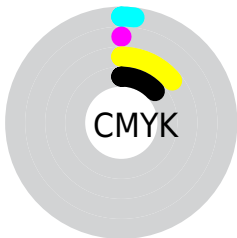
Distribution



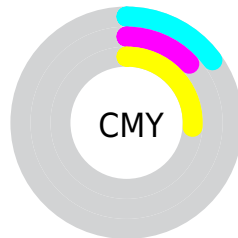
- Red (85%)
- Green (87%)
- Blue (75%)



- Red (75%)
- Yellow (87%)
- Blue (76%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 16.192, 114.158 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, 16.192, 114.158 by changing the saturation by 10% instead.


 87, 16.192,
114.158


 87, 16.192,
114.158


 100, 16.192,
114.158


 77, 16.192,
114.158

 67, 16.192,
114.158

 57, 16.192,
114.158

 47, 16.192,
114.158

 37, 16.192,
114.158

 27, 16.192,
114.158

 17, 16.192,

114.158

■ 7, 16.192, 114.158

■ 0, 16.192, 114.158

■ 87, 16.192,
114.158

■ 87, 16.192,
114.158

■ 86, 27.622,
113.380

■ 88, 4.663, 114.936

■ 86, 38.844,
112.607

■ 89, 6.904, 295.697

■ 85, 49.707,
111.870

■ 89, 17.946,
296.527

■ 85, 59.974,
111.207

■ 90, 18.064,
299.583

■ 84, 69.296,

■ 90, 18.232,
302.610

110.668

90, 18.448,
305.590

84, 77.197,
110.321

90, 18.713,
308.511

84, 83.131,
110.243

90, 19.023,
311.359

83, 86.698,
110.497

91, 19.379,
314.125

83, 87.939,
110.773

Harmonies

Complementary

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



87, 16.192, 114.158



78, 16.709, 296.436

Rectangle

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



87, 16.192, 114.158



87, 16.192, 164.158



87, 16.192, 294.158



87, 16.192, 344.158

Sweetspot

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



87, 16.194, 114.163



100, 5.188, 114.937



80, 10.562, 30.562



53, 3.688, 114.879



0, 0.000, 0.000



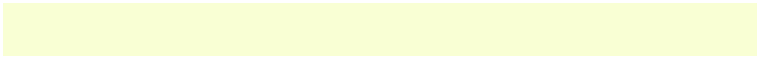
53, 0.007, 296.813

Same Dimension

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



87, 16.194, 114.163



99, 22.019, 113.921



86, 17.716, 132.440



46, 6.517, 114.522



67, 73.410, 110.651



17, 26.691, 111.388

Inverse Universe

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



78, 16.709, 296.436



86, 22.879, 296.734



79, 17.973, 313.622



42, 6.659, 296.018



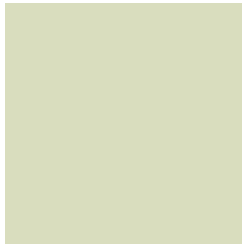
21, 99.417, 306.786



2, 29.784, 298.085

Previews

White Background



This preview shows how the CIELCh color 87, 16.192, 114.158 looks on a white background.

Color Contrast Check

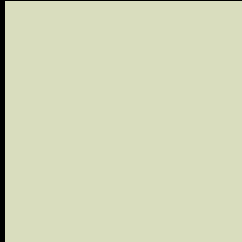
Large Text (above 18pt) WCAG AA × Fail

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, 16.192, 114.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

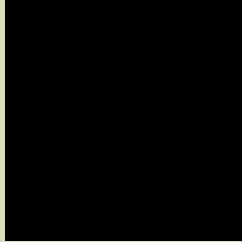
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

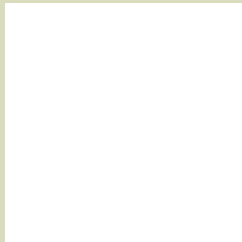
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 16.192, 114.158

Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.192, 114.158.



This preview shows how white text looks on a background with the CIELCh color 87, 16.192, 114.158.

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](#).

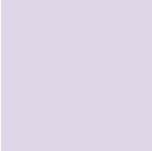
Dichromacy



Original Color
87, 16.192, 114.158

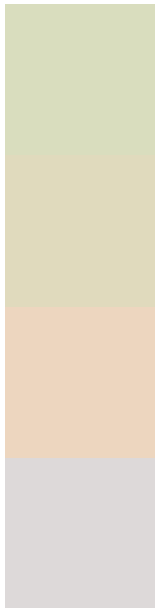
Protanopia
87, 15.674, 93.358

Deuteranopia
87, 17.452, 52.571



Tritanopia
87, 9.382, 308.358

Trichromacy



Original Color
87, 16.192, 114.158

Protanomaly
87, 15.263, 100.309

Deuteranomaly
87, 14.904, 72.994

Tritanomaly
87, 1.445, 19.104

Monochromacy



Original Color
87, 16.192, 114.158

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 6.308, 116.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 16.192, 114.158 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(217, 221, 190)` looks like.

```
.text, #text, p{  
    color:rgb(217, 221, 190)  
}
```

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(217, 221, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 221, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 16.192, 114.158 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(217, 221, 190) }
```

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

```
.border{ border-color:rgb(217, 221, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 221, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 221, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 221, 190);  
box-shadow:4px 4px 4px 4px rgb(217, 221,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 16.192, 114.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 221, 190) }
```

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

```
.background{ background-color: rgb(217,  
221, 190) }
```

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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