

Converting Colors

CIELCh(87, 21.588, 112.532)

Have a look what the booklet for
CIELCh(87, 21.588, 112.532)
contains.

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Color

CIELCh(87, 21.339, 112.492)

Conversions

Conversions Part 1

Format	Color
Hex	D9DDB4
RGB	217, 221, 180
RGB Percent	85%, 87%, 71%
CMY	0.1477, 0.1320, 0.2928
CMYK	0.02, 0.00, 0.19, 0.13
HSL	66°, 38%, 79%
HSV	66°, 19%, 87%
XYZ	62.9356, 70.0064, 53.5516
YIQ	215.1300, 10.7770, -13.5990

Conversions

Conversions Part 2

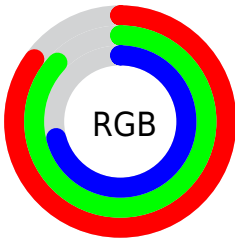
Format	Color
R _{YB}	180, 221, 184
Decimal	14278068
CIE Lab	87.00, -8.16, 19.72
CIE LCh	87, 21.339, 112.492
Yxy	70.0064, 0.3375, 0.3754
Android (android.graphics.Color)	4292468148 (0xFFD9DDB4)
YUV	215.1300, -17.3191, 1.6400
Hunter-Lab	83.6698, -12.1562, 20.6212

Details

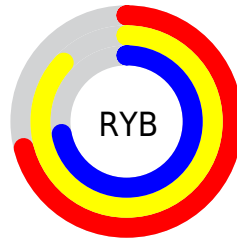
The CIELCh color **87, 21.339, 112.492** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **75, 22.259, 295.742**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 9.618, 109.449**, and **67, 21.374, 112.333** is the 20% darker color. If you saturate the color by 10%, you get **86, 32.688, 111.672**, and if you desaturate by 10%, it is **88, 9.848, 113.320**.

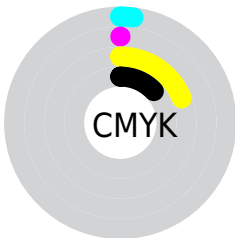
Distribution



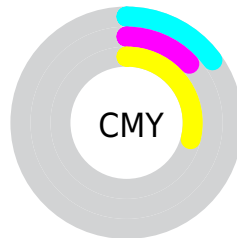
- Red (85%)
- Green (87%)
- Blue (71%)



- Red (71%)
- Yellow (87%)
- Blue (72%)



- Cyan (2%)
- Magenta (0%)
- Yellow (19%)
- Black (13%)





- Cyan (15%)
- Magenta (13%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.339, 112.492 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, 21.339, 112.492 by changing the saturation by 10% instead.

 87, 21.339,
112.492

 87, 21.339,
112.492


 100, 21.339,
112.492


 77, 21.339,
112.492

 67, 21.339,
112.492

 57, 21.339,
112.492

 47, 21.339,
112.492

 37, 21.339,
112.492

 27, 21.339,
112.492

 17, 21.339,

112.492

■ 7, 21.339, 112.492

■ 0, 21.339, 112.492

■ 87, 21.339,
112.492

■ 87, 21.339,
112.492

■ 86, 32.688,
111.672

■ 88, 9.848, 113.320

■ 86, 43.765,
110.868

■ 88, 1.711, 294.150

■ 85, 54.386,
110.113

■ 89, 13.282,
294.919

■ 85, 64.263,
109.448

■ 90, 17.637,
296.687

■ 85, 72.986,

■ 90, 17.725,
299.047

108.928

90, 17.842,
301.391

84, 80.029,
108.617

90, 17.987,
303.710

84, 84.872,
108.581

90, 18.161,
305.999

84, 87.400,
108.841

90, 18.362,
308.250

84, 87.692,
108.888

Harmonies

Complementary

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



87, 21.339, 112.492



75, 22.259, 295.742

Rectangle

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



87, 21.339, 112.492



87, 21.339, 162.492



87, 21.339, 292.492



87, 21.339, 342.492

Sweetspot

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



87, 21.341, 112.496



100, 7.770, 113.521



78, 14.636, 27.649



53, 5.154, 113.468



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, 21.341, 112.496



98, 28.375, 112.195



86, 23.238, 131.116



46, 6.504, 113.246



67, 73.068, 108.793



18, 26.600, 109.655

Inverse Universe

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



75, 22.259, 295.742



82, 29.863, 296.143



77, 23.721, 312.727



42, 6.647, 294.833



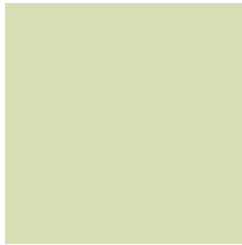
21, 99.669, 306.625



2, 29.731, 297.315

Previews

White Background



This preview shows how the CIELCh color 87, 21.339, 112.492 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, 21.339, 112.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

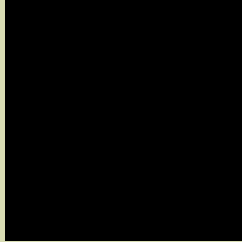
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

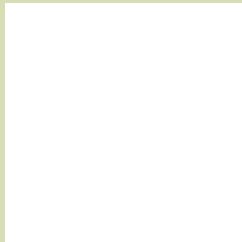
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 21.339, 112.492

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.339, 112.492.



This preview shows how white text looks on a background with the CIELCh color 87, 21.339, 112.492.

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, 21.339, 112.492

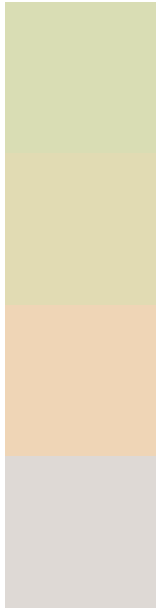
Protanopia
87, 20.914, 94.488

Deuteranopia
87, 21.448, 59.148



Tritanopia
87, 9.631, 312.382

Trichromacy



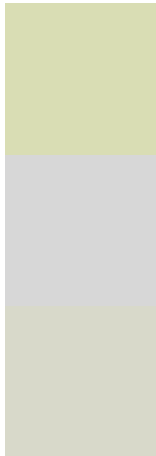
Original Color
87, 21.339, 112.492

Protanomaly
87, 20.906, 102.055

Deuteranomaly
87, 19.128, 76.930

Tritanomaly
87, 2.751, 68.556

Monochromacy



Original Color
87, 21.339, 112.492

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.841, 112.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.339, 112.492 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(217, 221, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 221, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.339, 112.492 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, 180) }
```

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

```
.border{ border-color:rgb(217, 221, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 221, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 221, 180);  
box-shadow:4px 4px 4px 4px rgb(217, 221,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.339, 112.492 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, 180) }
```

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

```
.background{ background-color: rgb(217,  
221, 180) }
```

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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