

Converting Colors

CIELCh(87, 16.478, 108.783)

Have a look what the booklet for
CIELCh(87, 16.478, 108.783)
contains.

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Color

CIELCh(87, 16.636, 108.771)

Conversions

Conversions Part 1

Format	Color
Hex	DCDCBC
RGB	220, 220, 188
RGB Percent	86%, 86%, 74%
CMY	0.1374, 0.1374, 0.2629
CMYK	0.00, 0.00, 0.15, 0.14
HSL	60°, 31%, 80%
HSV	60°, 15%, 86%
XYZ	64.1609, 70.0064, 57.6883
YIQ	216.3520, 10.2720, -9.9520

Conversions

Conversions Part 2

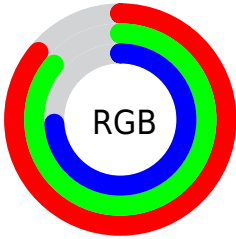
Format	Color
RYB	188, 220, 188
Decimal	14474428
CIELab	87.00, -5.35, 15.75
CIELCh	87, 16.636, 108.771
Yxy	70.0064, 0.3344, 0.3649
Android (android.graphics.Color)	4292664508 (0xFFDCDCBC)
YUV	216.3520, -13.9775, 3.1993
Hunter-Lab	83.6698, -9.5422, 17.6899

Details

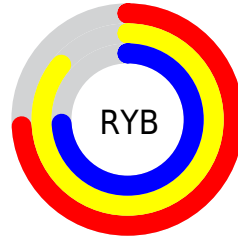
The CIELCh color **87, 16.636, 108.771** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 17.200, 291.755**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **67, 16.438, 108.452** is the 20% darker color. If you saturate the color by 10%, you get **87, 27.960, 107.807**, and if you desaturate by 10%, it is **88, 5.206, 109.736**.

Distribution



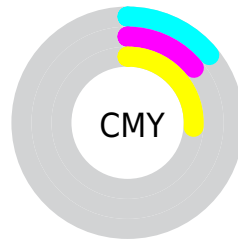
- Red (86%)
- Green (86%)
- Blue (74%)



- Red (74%)
- Yellow (86%)
- Blue (74%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)





- Cyan (14%)
- Magenta (14%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 16.636, 108.771 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, 16.636, 108.771 by changing the saturation by 10% instead.


 87, 16.636,
108.771


 87, 16.636,
108.771


 100, 16.636,
108.771


 77, 16.636,
108.771

 67, 16.636,
108.771

 57, 16.636,
108.771

 47, 16.636,
108.771

 37, 16.636,
108.771

 27, 16.636,
108.771

 17, 16.636,

108.771

■ 7, 16.636, 108.771

■ 0, 16.636, 108.771

■ 87, 16.636,
108.771

■ 87, 16.636,
108.771

■ 87, 27.960,
107.807

■ 88, 5.206, 109.736

■ 86, 39.071,
106.848

■ 88, 6.268, 290.711

■ 86, 49.812,
105.923

■ 89, 17.742,
291.629

■ 86, 59.935,
105.059

■ 89, 18.285,
291.675

■ 85, 69.077,

■ 89, 18.285,
291.679

104.291

89, 18.285,
291.683

85, 76.747,
103.659

89, 18.285,
291.686

85, 82.399,
103.202

89, 18.285,
291.690

85, 85.656,
102.942

89, 18.285,
291.694

85, 86.676,
102.862

Harmonies

Complementary

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



87, 16.636, 108.771



77, 17.200, 291.755

Rectangle

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



87, 16.636, 108.771



87, 16.636, 158.771



87, 16.636, 288.771



87, 16.636, 338.771

Sweetspot

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



87, 16.638, 108.777



100, 5.161, 109.784



79, 12.162, 20.347



53, 3.669, 109.713



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, 16.638, 108.777



99, 21.900, 108.525



86, 17.769, 128.421



46, 6.483, 109.272



69, 72.577, 102.862



18, 26.501, 104.171

Inverse Universe

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



77, 17.200, 291.755



86, 22.779, 292.076



78, 18.127, 309.729



42, 6.628, 291.163



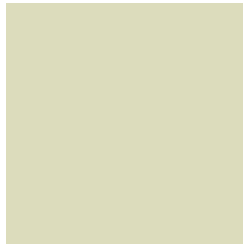
20, 100.215, 306.288



2, 29.602, 294.920

Previews

White Background



This preview shows how the CIELCh color 87, 16.636, 108.771 looks on a white background.

Color Contrast Check

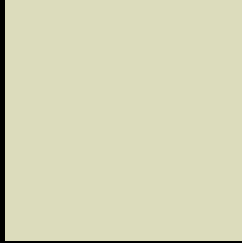
Large Text (above 18pt) WCAG AA × Fail

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, 16.636, 108.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

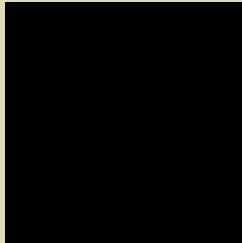
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

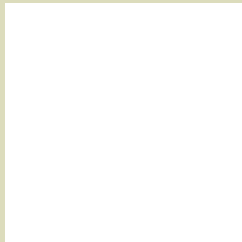
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 16.636, 108.771

Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.636, 108.771.



This preview shows how white text looks on a background with the CIELCh color 87, 16.636, 108.771.

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, 16.636, 108.771

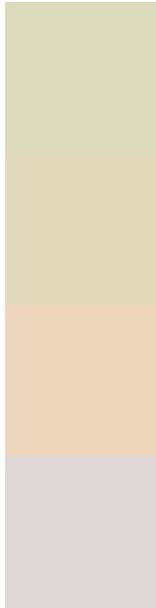
Protanopia
87, 16.283, 92.475

Deuteranopia
87, 18.414, 54.502



Tritanopia
87, 9.917, 316.207

Trichromacy



Original Color
87, 16.636, 108.771

Protanomaly
87, 16.415, 98.090

Deuteranomaly
87, 16.001, 73.919

Tritanomaly
87, 2.947, 29.607

Monochromacy



Original Color
87, 16.636, 108.771

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 5.739, 109.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 16.636, 108.771 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(220, 220, 188)` looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 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(220, 220, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 16.636, 108.771 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(220, 220, 188) }
```

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

```
.border{ border-color:rgb(220, 220, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 220, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 188);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 16.636, 108.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 220, 188) }
```

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

```
.background{ background-color: rgb(220,  
220, 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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