

Converting Colors

CIELCh(85, 13.050, 90.248)

Have a look what the booklet for
CIELCh(85, 13.050, 90.248) contains.

CIELCh(85, 12.746, 89.967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 12.746, 89.967)

Conversions

Conversions Part 1

Format	Color
Hex	DED3BC
RGB	222, 211, 188
RGB Percent	87%, 83%, 74%
CMY	0.1279, 0.1711, 0.2613
CMYK	0.00, 0.05, 0.15, 0.13
HSL	41°, 34%, 81%
HSV	41°, 15%, 87%
XYZ	62.7409, 66.0070, 57.2157
YIQ	211.6670, 13.9390, -4.8210

Conversions

Conversions Part 2

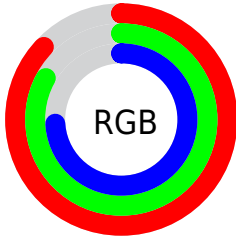
Format	Color
RYB	204, 222, 188
Decimal	14603196
CIELab	85.00, 0.01, 12.75
CIELCh	85, 12.746, 89.967
Yxy	66.0070, 0.3374, 0.3549
Android (android.graphics.Color)	4292793276 (0xFFDED3BC)
YUV	211.6670, -11.6678, 9.0620
Hunter-Lab	81.2447, -4.3324, 15.1169

Details

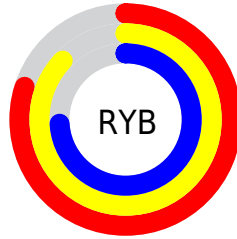
The CIELCh color **85, 12.746, 89.967** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80, 12.735, 274.014**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **65, 12.829, 90.390** is the 20% darker color. If you saturate the color by 10%, you get **83, 21.294, 88.680**, and if you desaturate by 10%, it is **87, 4.362, 91.201**.

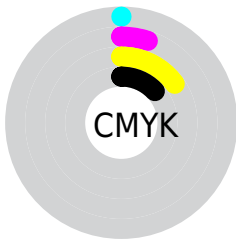
Distribution



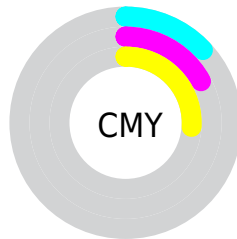
- Red (87%)
- Green (83%)
- Blue (74%)



- Red (80%)
- Yellow (87%)
- Blue (74%)



- Cyan (0%)
- Magenta (5%)
- Yellow (15%)
- Black (13%)



- Cyan (13%)
- Magenta (17%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 12.746, 89.967 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 85, 12.746, 89.967 by changing the saturation by 10% instead.

■ 85, 12.746, 89.967

■ 85, 12.746, 89.967

■ 100, 12.746,
89.967

■ 75, 12.746, 89.967

■ 65, 12.746, 89.967

■ 55, 12.746, 89.967

■ 45, 12.746, 89.967

■ 35, 12.746, 89.967

■ 25, 12.746, 89.967

■ 15, 12.746, 89.967

■ 5, 12.746, 89.967

■ 0, 12.746, 89.967

85, 12.746, 89.967

85, 12.746, 89.967

83, 21.294, 88.680

87, 4.362, 91.201

80, 29.975, 87.338

90, 3.856, 272.540

78, 38.726, 85.955

92, 11.871,
273.598

76, 47.414, 84.526

94, 9.609, 252.136

74, 55.785, 83.031

96, 9.219, 224.288

72, 63.386, 81.418

98, 10.868,
200.057

70, 69.504, 79.584

69, 73.285, 77.359

98, 11.031,
198.770

68, 74.455, 76.209

Harmonies

Complementary

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



85, 12.746, 89.967



80, 12.735, 274.014

Rectangle

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



85, 12.746, 89.967



85, 12.746, 139.967



85, 12.746, 269.967



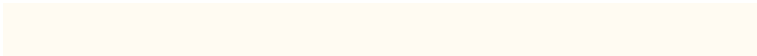
85, 12.746, 319.967

Sweetspot

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



85, 12.747, 89.977



99, 4.601, 91.230



80, 14.022, 355.158



52, 3.143, 91.150



0, 0.000, 0.000



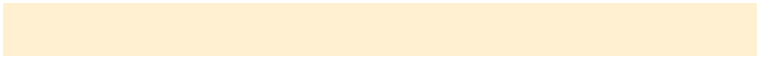
53, 0.007, 296.813

Same Dimension

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



85, 12.747, 89.977



95, 16.814, 89.614



87, 17.795, 115.599



46, 4.737, 90.708



54, 62.535, 76.685



14, 20.941, 79.569

Inverse Universe

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



80, 12.735, 274.014



89, 16.787, 274.456



78, 18.399, 297.923



44, 4.741, 273.171



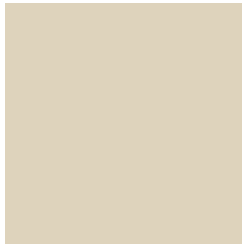
30, 74.934, 297.015



5, 24.333, 287.021

Previews

White Background



This preview shows how the CIELCh color 85, 12.746, 89.967 looks on a white background.

Color Contrast Check

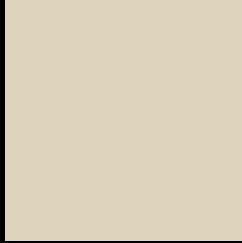
Large Text (above 18pt) WCAG AA × Fail

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 85, 12.746, 89.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

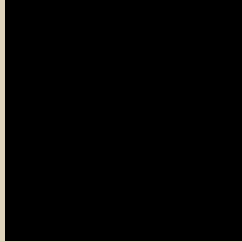
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

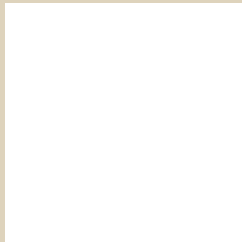
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 12.746, 89.967

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.746, 89.967.



This preview shows how white text looks on a background with the CIELCh color 85, 12.746, 89.967.

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

85, 12.746, 89.967

Protanopia

85, 13.117, 92.235

Deuteranopia

85, 15.975, 49.535



Tritanopia
85, 11.748, 330.741

Trichromacy



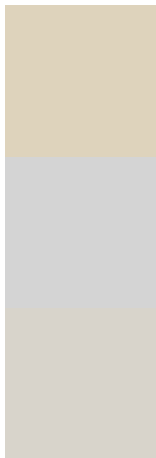
Original Color
85, 12.746, 89.967

Protanomaly
85, 13.117, 92.235

Deuteranomaly
85, 14.043, 61.908

Tritanomaly
85, 6.331, 10.272

Monochromacy



Original Color
85, 12.746, 89.967

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 4.926, 92.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.746, 89.967 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(222, 211, 188)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 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(222, 211, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.746, 89.967 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(222, 211, 188) }
```

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

```
.border{ border-color:rgb(222, 211, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 211, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 188);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.746, 89.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 188) }
```

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

```
.background{ background-color: rgb(222,  
211, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor