

Converting Colors

CIELCh(87, 8.509, 82.603)

Have a look what the booklet for
CIELCh(87, 8.509, 82.603) contains.

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Color

CIELCh(87, 8.646, 83.982)

Conversions

Conversions Part 1

Format	Color
Hex	E3D9CA
RGB	227, 217, 202
RGB Percent	89%, 85%, 79%
CMY	0.1110, 0.1502, 0.2090
CMYK	0.00, 0.04, 0.11, 0.11
HSL	36°, 31%, 84%
HSV	36°, 11%, 89%
XYZ	66.9474, 70.0064, 65.6805
YIQ	218.2800, 10.7750, -2.5450

Conversions

Conversions Part 2

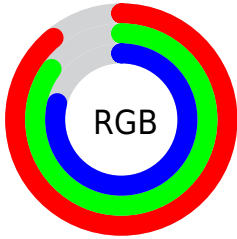
Format	Color
RYB	219, 227, 202
Decimal	14932426
CIELab	87.00, 0.91, 8.60
CIELCh	87, 8.646, 83.982
Yxy	70.0064, 0.3304, 0.3455
Android (android.graphics.Color)	4293122506 (0xFFE3D9CA)
YUV	218.2800, -8.0260, 7.6474
Hunter-Lab	83.6698, -3.5976, 12.0264

Details

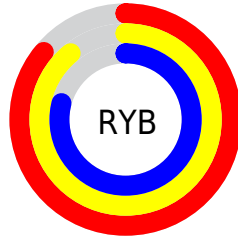
The CIELCh color $87, 8.646, 83.982$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 8.560, 266.969$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 8.656, 82.091$ is the 20% darker color. If you saturate the color by 10%, you get $84, 16.752, 82.700$, and if you desaturate by 10%, it is $90, 0.783, 84.902$.

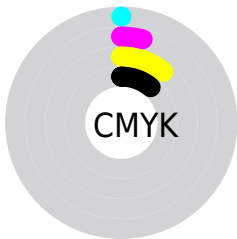
Distribution



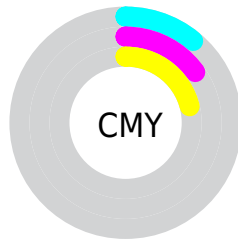
- Red (89%)
- Green (85%)
- Blue (79%)



- Red (86%)
- Yellow (89%)
- Blue (79%)



- Cyan (0%)
- Magenta (4%)
- Yellow (11%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 8.646, 83.982 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, 8.646, 83.982 by changing the saturation by 10% instead.



87, 8.646, 83.982

87, 8.646, 83.982

84, 16.752, 82.700

90, 0.783, 84.902

81, 25.099, 81.352

93, 6.853, 266.584

79, 33.664, 79.966

95, 8.066, 244.260

76, 42.379, 78.538

98, 8.957, 205.603

74, 51.085, 77.048

98, 9.612, 198.867

71, 59.466, 75.449

69, 66.940, 73.631

67, 72.616, 71.391

65, 75.824, 68.923

Harmonies

Complementary

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



87, 8.646, 83.982



84, 8.560, 266.969

Rectangle

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



87, 8.646, 83.982



87, 8.646, 133.982



87, 8.646, 263.982



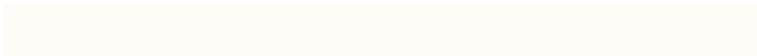
87, 8.646, 313.982

Sweetspot

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



87, 8.647, 83.998



99, 2.551, 84.922



84, 10.578, 350.384



53, 1.937, 84.849



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, 8.647, 83.998



96, 11.255, 83.736



89, 12.974, 113.211



46, 4.406, 84.196



51, 62.674, 69.541



13, 20.082, 71.492

Inverse Universe

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



84, 8.560, 266.969



93, 11.111, 267.273



82, 13.304, 295.073



44, 4.371, 266.744



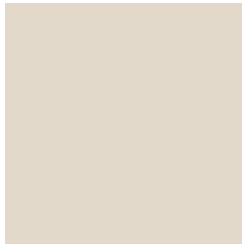
33, 65.931, 292.281



6, 22.133, 282.936

Previews

White Background



This preview shows how the CIELCh color 87, 8.646, 83.982 looks on a white background.

Color Contrast Check

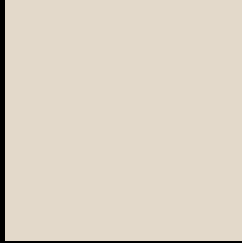
Large Text (above 18pt) WCAG AA × Fail

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, 8.646, 83.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

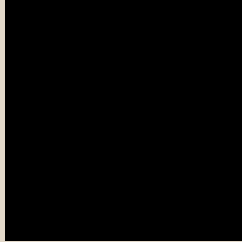
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 8.646, 83.982

Background



This preview shows how black text looks on a background with the CIELCh color 87, 8.646, 83.982.

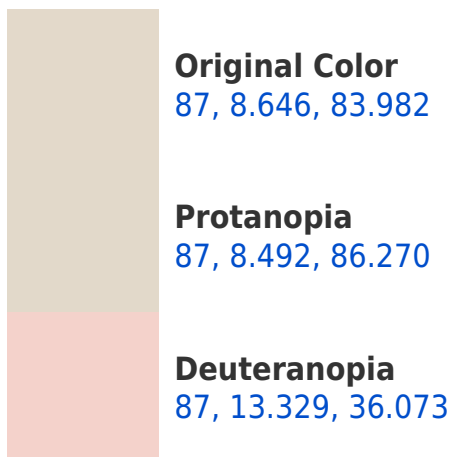


This preview shows how white text looks on a background with the CIELCh color 87, 8.646, 83.982.

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, 10.604, 328.036

Trichromacy



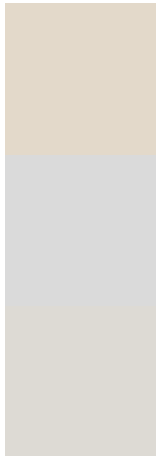
Original Color
87, 8.646, 83.982

Protanomaly
87, 8.492, 86.270

Deuteranomaly
87, 10.832, 45.581

Tritanomaly
87, 6.052, 354.216

Monochromacy



Original Color
87, 8.646, 83.982

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 3.298, 90.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 8.646, 83.982 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(227, 217, 202)` looks like.

```
.text, #text, p{  
    color:rgb(227, 217, 202)  
}
```

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(227, 217, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 217, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 8.646, 83.982 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(227, 217, 202) }
```

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

```
.border{ border-color:rgb(227, 217, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 217, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 217, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 217, 202);  
box-shadow:4px 4px 4px 4px rgb(227, 217,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 8.646, 83.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 217, 202) }
```

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

```
.background{ background-color: rgb(227,  
217, 202) }
```

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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