

Converting Colors

CIELCh(87, 8.096, 99.571)

Have a look what the booklet for
CIELCh(87, 8.096, 99.571) contains.

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Color

CIELCh(87, 7.946, 98.764)

Conversions

Conversions Part 1

Format	Color
Hex	DEDACB
RGB	222, 218, 203
RGB Percent	87%, 85%, 80%
CMY	0.1293, 0.1450, 0.2038
CMYK	0.00, 0.02, 0.09, 0.13
HSL	47°, 22%, 83%
HSV	47°, 9%, 87%
XYZ	65.9961, 70.0064, 66.5532
YIQ	217.4860, 7.1990, -3.8170

Conversions

Conversions Part 2

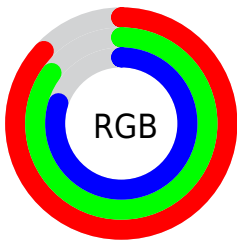
Format	Color
R _Y B	208, 222, 203
Decimal	14605003
CIE Lab	87.00, -1.21, 7.85
CIE LCh	87, 7.946, 98.764
Yxy	70.0064, 0.3258, 0.3456
Android (android.graphics.Color)	4292795083 (0xFFDEDACB)
YUV	217.4860, -7.1416, 3.9588
Hunter-Lab	83.6698, -5.6270, 11.4080

Details

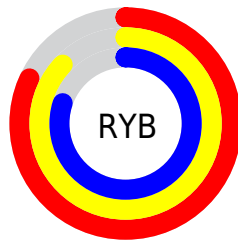
The CIELCh color **87, 7.946, 98.764** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 8.029, 280.824**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 7.851, 97.794** is the 20% darker color. If you saturate the color by 10%, you get **85, 17.318, 97.613**, and if you desaturate by 10%, it is **89, 1.345, 280.070**.

Distribution



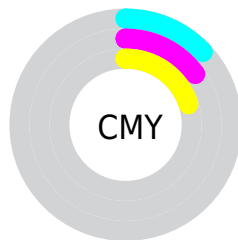
- Red (87%)
- Green (85%)
- Blue (80%)



- Red (82%)
- Yellow (87%)
- Blue (80%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 7.946, 98.764 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, 7.946, 98.764 by changing the saturation by 10% instead.



87, 7.946, 98.764	87, 7.946, 98.764
85, 17.318, 97.613	89, 1.345, 280.070
84, 26.730, 96.406	91, 10.543, 281.051
82, 36.115, 95.171	
81, 45.349, 93.915	92, 12.277, 275.168
79, 54.214, 92.640	93, 10.553, 262.928
78, 62.344, 91.344	94, 9.463, 247.067
76, 69.172, 90.004	95, 9.225, 228.949
75, 73.967, 88.573	97, 9.887, 211.709
74, 76.285, 86.983	98, 11.143, 198.762

Harmonies

Complementary

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



87, 7.946, 98.764



83, 8.029, 280.824

Rectangle

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



87, 7.946, 98.764



87, 7.946, 148.764



87, 7.946, 278.764



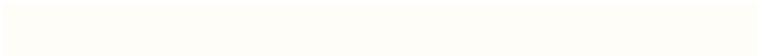
87, 7.946, 328.764

Sweetspot

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



87, 7.948, 98.778



99, 3.102, 99.372



83, 7.329, 2.719



53, 2.354, 99.294



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, 7.948, 98.778



98, 10.401, 98.605



88, 10.095, 120.678



46, 5.322, 98.676



60, 64.422, 87.037



16, 22.908, 89.967

Inverse Universe

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



83, 8.029, 280.824



93, 10.518, 281.018



83, 10.275, 301.691



44, 5.380, 280.937



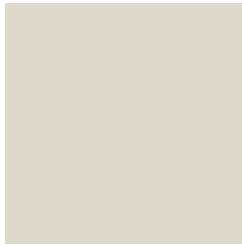
25, 87.325, 301.998



4, 27.081, 290.991

Previews

White Background



This preview shows how the CIELCh color 87, 7.946, 98.764 looks on a white background.

Color Contrast Check

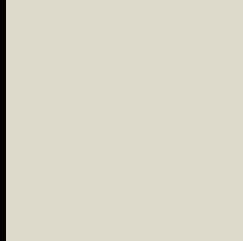
Large Text (above 18pt) WCAG AA × Fail

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, 7.946, 98.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

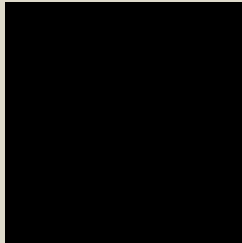
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

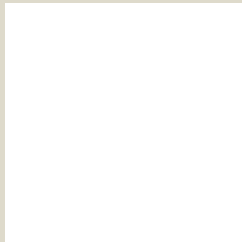
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 7.946, 98.764

Background



This preview shows how black text looks on a background with the CIELCh color 87, 7.946, 98.764.

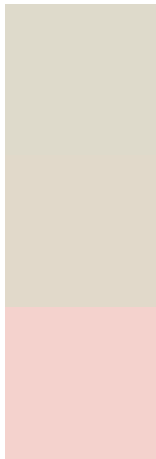


This preview shows how white text looks on a background with the CIELCh color 87, 7.946, 98.764.

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, 7.946, 98.764

Protanopia

87, 8.353, 88.636

Deuteranopia

87, 13.031, 31.758



Tritanopia
87, 9.917, 316.207

Trichromacy



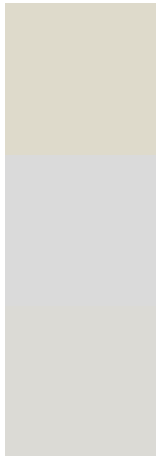
Original Color
87, 7.946, 98.764

Protanomaly
87, 8.229, 91.075

Deuteranomaly
87, 9.800, 48.424

Tritanomaly
87, 4.806, 338.879

Monochromacy



Original Color
87, 7.946, 98.764

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.623, 101.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 7.946, 98.764 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, 218, 203)` looks like.

```
.text, #text, p{  
    color:rgb(222, 218, 203)  
}
```

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, 218, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 218, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 7.946, 98.764 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, 218, 203) }
```

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

```
.border{ border-color:rgb(222, 218, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 218, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 218, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 218, 203);  
box-shadow:4px 4px 4px 4px rgb(222, 218,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 7.946, 98.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 218, 203) }
```

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

```
.background{ background-color: rgb(222,  
218, 203) }
```

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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