

Converting Colors

CIELCh(87, 20.918, 88.713)

Have a look what the booklet for
CIELCh(87, 20.918, 88.713) contains.

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Color

CIELCh(87, 21.010, 89.010)

Conversions

Conversions Part 1

Format	Color
Hex	EAD8B2
RGB	234, 216, 178
RGB Percent	92%, 85%, 70%
CMY	0.0813, 0.1519, 0.3010
CMYK	0.00, 0.08, 0.24, 0.08
HSL	41°, 57%, 81%
HSV	41°, 24%, 92%
XYZ	66.7023, 70.0064, 52.2485
YIQ	217.0500, 22.9260, -8.0020

Conversions

Conversions Part 2

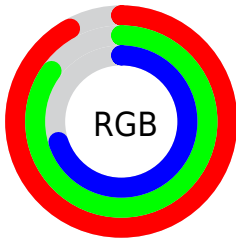
Format	Color
RYB	205, 234, 178
Decimal	15390898
CIELab	87.00, 0.36, 21.01
CIElCh	87, 21.010, 89.010
Yxy	70.0064, 0.3530, 0.3705
Android (android.graphics.Color)	4293580978 (0xFFEAD8B2)
YUV	217.0500, -19.2516, 14.8652
Hunter-Lab	83.6698, -4.1204, 21.5446

Details

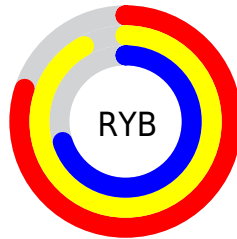
The CIELCh color $87, 21.010, 89.010$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $79, 20.970, 275.589$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 10.630, 109.373$, and $67, 21.044, 88.356$ is the 20% darker color. If you saturate the color by 10%, you get $85, 30.064, 87.678$, and if you desaturate by 10%, it is $89, 12.102, 90.310$.

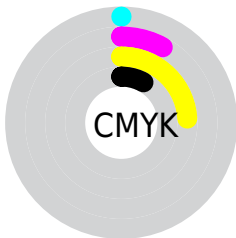
Distribution



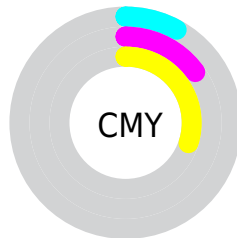
- Red (92%)
- Green (85%)
- Blue (70%)



- Red (80%)
- Yellow (92%)
- Blue (70%)



- Cyan (0%)
- Magenta (8%)
- Yellow (24%)
- Black (8%)



- Cyan (8%)
- Magenta (15%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.010, 89.010 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, 21.010, 89.010 by changing the saturation by 10% instead.

■ 87, 21.010, 89.010

■ 87, 21.010, 89.010

■ 100, 21.010,
89.010

■ 77, 21.010, 89.010

■ 67, 21.010, 89.010

■ 57, 21.010, 89.010

■ 47, 21.010, 89.010

■ 37, 21.010, 89.010

■ 27, 21.010, 89.010

■ 17, 21.010, 89.010

■ 7, 21.010, 89.010

■ 0, 21.010, 89.010

87, 21.010, 89.010

87, 21.010, 89.010

85, 30.064, 87.678

89, 12.102, 90.310

82, 39.199, 86.298

92, 3.361, 91.512

80, 48.286, 84.873

94, 5.206, 272.851

78, 57.077, 83.385

96, 5.997, 246.813

76, 65.127, 81.788

98, 6.735, 203.832

74, 71.717, 79.987

99, 7.097, 199.050

72, 75.952, 77.819

71, 77.444, 76.313

Harmonies

Complementary

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



87, 21.010, 89.010



79, 20.970, 275.589

Rectangle

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



87, 21.010, 89.010



87, 21.010, 139.010



87, 21.010, 269.010



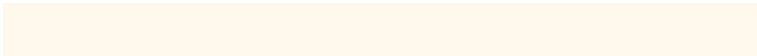
87, 21.010, 319.010

Sweetspot

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



87, 21.011, 89.017



98, 6.473, 91.159



78, 23.192, 356.177



52, 4.209, 91.087



0, 0.000, 0.000



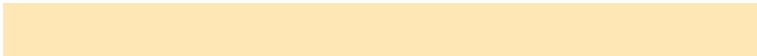
53, 0.007, 296.813

Same Dimension

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



87, 21.011, 89.017



93, 27.430, 88.323



91, 28.926, 114.961



48, 4.924, 90.865



56, 63.882, 76.815



16, 23.511, 79.671

Inverse Universe

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



79, 20.970, 275.589



82, 27.370, 276.543



75, 30.522, 298.747



46, 4.929, 273.336



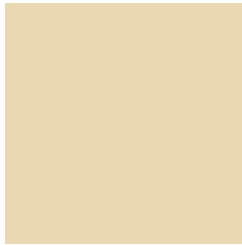
30, 76.953, 297.201



6, 27.261, 289.536

Previews

White Background



This preview shows how the CIELCh color 87, 21.010, 89.010 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, 21.010, 89.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

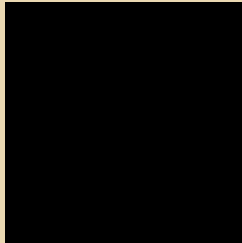
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

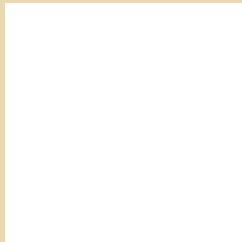
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 21.010, 89.010

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.010, 89.010.

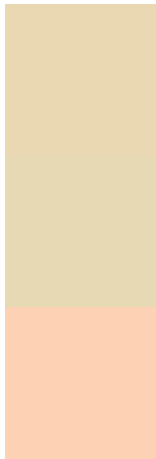


This preview shows how white text looks on a background with the CIELCh color 87, 21.010, 89.010.

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, 21.010, 89.010

Protanopia

87, 20.511, 93.146

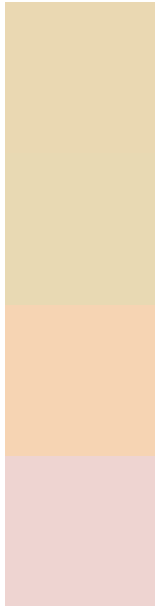
Deuteranopia

87, 22.855, 61.296



Tritanopia
87, 13.708, 342.899

Trichromacy



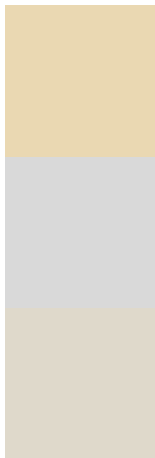
Original Color
87, 21.010, 89.010

Protanomaly
87, 20.620, 92.099

Deuteranomaly
87, 21.886, 71.224

Tritanomaly
87, 9.775, 29.217

Monochromacy



Original Color
87, 21.010, 89.010

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 7.618, 92.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.010, 89.010 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(234, 216, 178)` looks like.

```
.text, #text, p{  
    color:rgb(234, 216, 178)  
}
```

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(234, 216, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 216, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.010, 89.010 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(234, 216, 178) }
```

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

```
.border{ border-color:rgb(234, 216, 178) }
```

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

Here you see how a box with a 4 pixel rgb(234, 216, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 216, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 216, 178);  
box-shadow:4px 4px 4px 4px rgb(234, 216,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.010, 89.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 216, 178) }
```

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

```
.background{ background-color: rgb(234,  
216, 178) }
```

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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