

Converting Colors

CIELCh(86, 21.608, 89.879)

Have a look what the booklet for
CIELCh(86, 21.608, 89.879) contains.

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Color

CIELCh(86, 21.911, 90.721)

Conversions

Conversions Part 1

Format	Color
Hex	E7D6AE
RGB	231, 214, 174
RGB Percent	91%, 84%, 68%
CMY	0.0950, 0.1616, 0.3184
CMYK	0.00, 0.07, 0.25, 0.09
HSL	42°, 54%, 79%
HSV	42°, 25%, 91%
XYZ	64.4982, 67.9871, 49.6630
YIQ	214.5230, 22.9720, -8.8360

Conversions

Conversions Part 2

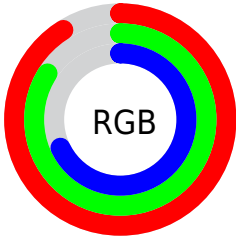
Format	Color
R _Y B	198, 231, 174
Decimal	15193774
CIE Lab	86.00, -0.28, 21.91
CIE LCh	86, 21.911, 90.721
Yxy	67.9871, 0.3541, 0.3733
Android (android.graphics.Color)	4293383854 (0xFFE7D6AE)
YUV	214.5230, -19.9778, 14.4503
Hunter-Lab	82.4543, -4.6670, 22.0071

Details

The CIELCh color **86, 21.911, 90.721** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 22.013, 277.441**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **66, 21.993, 90.130** is the 20% darker color. If you saturate the color by 10%, you get **84, 31.006, 89.405**, and if you desaturate by 10%, it is **88, 12.928, 92.007**.

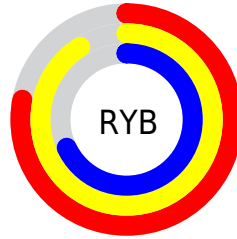
Distribution



Red (91%)

Green (84%)

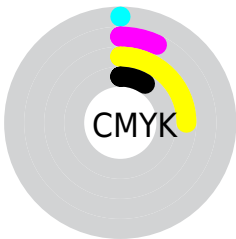
Blue (68%)



Red (78%)

Yellow (91%)

Blue (68%)

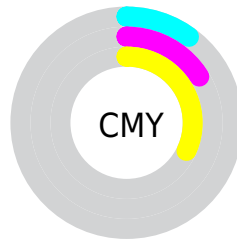


Cyan (0%)

Magenta (7%)

Yellow (25%)

Black (9%)



Cyan (10%)

Magenta (16%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 21.911, 90.721 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 86, 21.911, 90.721 by changing the saturation by 10% instead.

 86, 21.911, 90.721

 86, 21.911, 90.721

 100, 21.911,
90.721

 76, 21.911, 90.721

 66, 21.911, 90.721

 56, 21.911, 90.721

 46, 21.911, 90.721

 36, 21.911, 90.721

 26, 21.911, 90.721

 16, 21.911, 90.721

 6, 21.911, 90.721

 0, 21.911, 90.721

86, 21.911, 90.721

86, 21.911, 90.721

84, 31.006, 89.405

88, 12.928, 92.007

82, 40.135, 88.042

90, 4.086, 93.211

80, 49.157, 86.638

93, 4.601, 274.520

78, 57.801, 85.176

95, 7.831, 263.455

76, 65.597, 83.615

97, 6.820, 229.937

74, 71.818, 81.867

98, 8.260, 198.963

72, 75.611, 79.787

71, 76.788, 78.559

Harmonies

Complementary

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



86, 21.911, 90.721



77, 22.013, 277.441

Rectangle

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



86, 21.911, 90.721



86, 21.911, 140.721



86, 21.911, 270.721



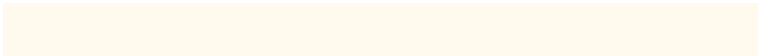
86, 21.911, 320.721

Sweetspot

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



86, 21.912, 90.728



98, 6.628, 92.943



77, 23.349, 358.580



52, 4.310, 92.871



0, 0.000, 0.000



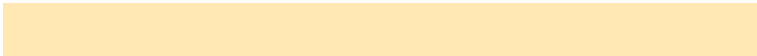
53, 0.007, 296.813

Same Dimension

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



86, 21.912, 90.728



93, 28.984, 90.009



89, 29.609, 116.295



47, 4.950, 92.654



56, 63.413, 79.027



15, 22.604, 81.983

Inverse Universe

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



77, 22.013, 277.441



81, 29.162, 278.440



74, 31.258, 299.977



45, 4.967, 275.083



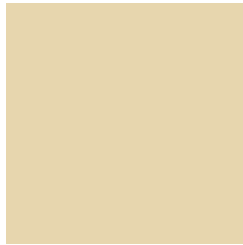
29, 78.781, 298.361



5, 26.518, 289.290

Previews

White Background



This preview shows how the CIELCh color 86, 21.911, 90.721 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 86, 21.911, 90.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

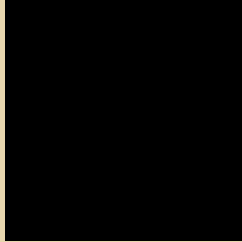
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

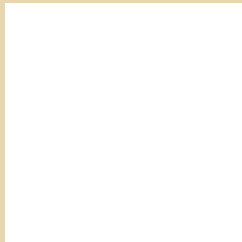
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 21.911, 90.721

Background



This preview shows how black text looks on a background with the CIELCh color 86, 21.911, 90.721.

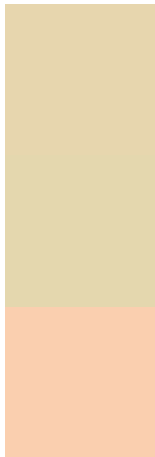


This preview shows how white text looks on a background with the CIELCh color 86, 21.911, 90.721.

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

86, 21.911, 90.721

Protanopia

86, 21.962, 94.990

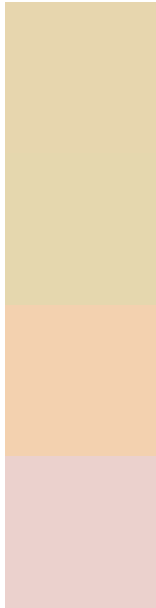
Deuteranopia

86, 24.054, 63.793



Tritanopia
86, 13.743, 342.912

Trichromacy



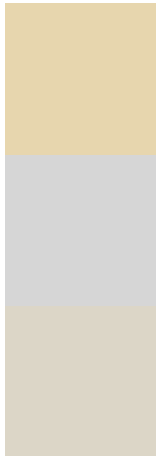
Original Color
86, 21.911, 90.721

Protanomaly
86, 22.058, 93.997

Deuteranomaly
86, 22.384, 71.915

Tritanomaly
86, 9.919, 32.172

Monochromacy



Original Color
86, 21.911, 90.721

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.142, 93.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 21.911, 90.721 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(231, 214, 174)` looks like.

```
.text, #text, p{  
    color:rgb(231, 214, 174)  
}
```

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(231, 214, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 214, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 21.911, 90.721 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(231, 214, 174) }
```

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

```
.border{ border-color:rgb(231, 214, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 214, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 214, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 214, 174);  
box-shadow:4px 4px 4px 4px rgb(231, 214,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 21.911, 90.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 214, 174) }
```

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

```
.background{ background-color: rgb(231,  
214, 174) }
```

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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