

Converting Colors

CIELCh(86, 21.435, 91.942)

Have a look what the booklet for
CIELCh(86, 21.435, 91.942) contains.

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Color

CIELCh(86, 21.291, 91.375)

Conversions

Conversions Part 1

Format	Color
Hex	E6D6AF
RGB	230, 214, 175
RGB Percent	90%, 84%, 69%
CMY	0.0982, 0.1609, 0.3138
CMYK	0.00, 0.07, 0.24, 0.10
HSL	43°, 52%, 79%
HSV	43°, 24%, 90%
XYZ	64.3947, 67.9871, 50.2697
YIQ	214.3380, 22.0550, -8.7370

Conversions

Conversions Part 2

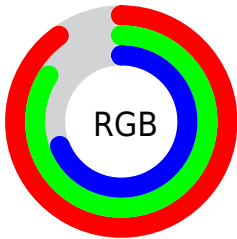
Format	Color
R _Y B	198, 230, 175
Decimal	15128239
CIE Lab	86.00, -0.51, 21.28
CIE LCh	86, 21.291, 91.375
Yxy	67.9871, 0.3526, 0.3722
Android (android.graphics.Color)	4293318319 (0xFFE6D6AF)
YUV	214.3380, -19.3936, 13.7356
Hunter-Lab	82.4543, -4.8911, 21.5708

Details

The CIELCh color **86, 21.291, 91.375** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 21.428, 277.827**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **66, 21.337, 90.852** is the 20% darker color. If you saturate the color by 10%, you get **84, 30.400, 90.069**, and if you desaturate by 10%, it is **88, 12.289, 92.651**.

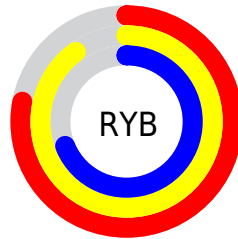
Distribution



Red (90%)

Green (84%)

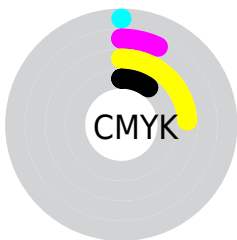
Blue (69%)



Red (78%)

Yellow (90%)

Blue (69%)

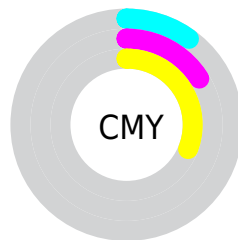


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (10%)



Cyan (10%)

Magenta (16%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 21.291, 91.375 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, 21.291, 91.375 by changing the saturation by 10% instead.

 86, 21.291, 91.375

 86, 21.291, 91.375

 100, 21.291,
91.375

 76, 21.291, 91.375

 66, 21.291, 91.375

 56, 21.291, 91.375

 46, 21.291, 91.375

 36, 21.291, 91.375

 26, 21.291, 91.375

 16, 21.291, 91.375

 6, 21.291, 91.375

 0, 21.291, 91.375

86, 21.291, 91.375

86, 21.291, 91.375

84, 30.400, 90.069

88, 12.289, 92.651

82, 39.540, 88.717

90, 3.421, 93.836

80, 48.573, 87.325

93, 5.298, 275.138

78, 57.238, 85.880

95, 8.136, 264.004

76, 65.082, 84.345

96, 7.032, 232.795

74, 71.399, 82.641

98, 8.228, 202.179

73, 75.343, 80.633

98, 8.532, 198.944

72, 76.678, 79.259

Harmonies

Complementary

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



86, 21.291, 91.375



77, 21.428, 277.827

Rectangle

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



86, 21.291, 91.375



86, 21.291, 141.375



86, 21.291, 271.375



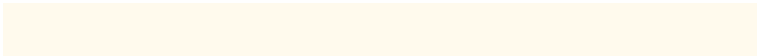
86, 21.291, 321.375

Sweetspot

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



86, 21.292, 91.382



98, 6.678, 93.486



77, 22.519, 358.480



52, 4.342, 93.415



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, 21.292, 91.382



93, 28.182, 90.697



89, 28.605, 116.349



47, 4.987, 93.198



57, 63.497, 79.709



15, 22.721, 82.677

Inverse Universe

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



77, 21.428, 277.827



82, 28.414, 278.768



74, 30.140, 299.903



45, 5.007, 275.614



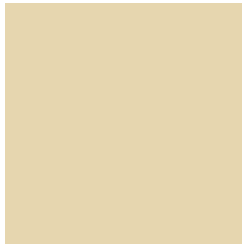
29, 79.624, 298.716



5, 26.727, 289.575

Previews

White Background



This preview shows how the CIELCh color 86, 21.291, 91.375 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, 21.291, 91.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

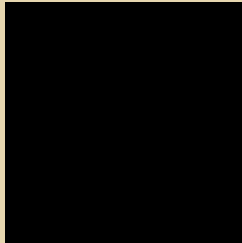
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 21.291, 91.375

Background



This preview shows how black text looks on a background with the CIELCh color 86, 21.291, 91.375.

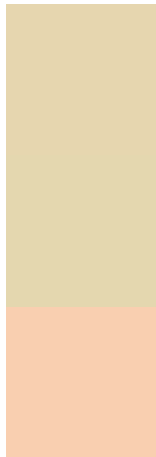


This preview shows how white text looks on a background with the CIELCh color 86, 21.291, 91.375.

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, 21.291, 91.375

Protanopia

86, 21.456, 94.735

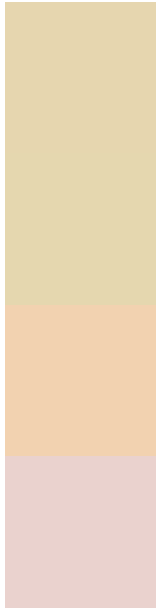
Deuteranopia

86, 23.370, 63.646



Tritanopia
86, 13.457, 341.928

Trichromacy



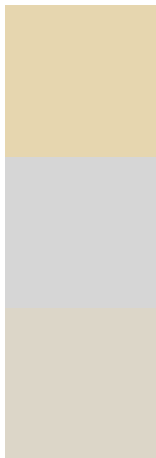
Original Color
86, 21.291, 91.375

Protanomaly
86, 21.554, 93.721

Deuteranomaly
86, 21.878, 73.576

Tritanomaly
86, 9.168, 33.118

Monochromacy



Original Color
86, 21.291, 91.375

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.639, 92.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 21.291, 91.375 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(230, 214, 175)` looks like.

```
.text, #text, p{  
    color:rgb(230, 214, 175)  
}
```

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(230, 214, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 214, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 21.291, 91.375 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(230, 214, 175) }
```

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

```
.border{ border-color:rgb(230, 214, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 214, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 214, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 214, 175);  
box-shadow:4px 4px 4px 4px rgb(230, 214,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 21.291, 91.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 214, 175) }
```

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

```
.background{ background-color: rgb(230,  
214, 175) }
```

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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