

Converting Colors

CIELCh(87, 19.872, 89.232)

Have a look what the booklet for
CIELCh(87, 19.872, 89.232) contains.

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Color

CIELCh(87, 19.890, 89.220)

Conversions

Conversions Part 1

Format	Color
Hex	E9D8B4
RGB	233, 216, 180
RGB Percent	91%, 85%, 71%
CMY	0.0847, 0.1514, 0.2927
CMYK	0.00, 0.07, 0.23, 0.08
HSL	41°, 55%, 81%
HSV	41°, 23%, 92%
XYZ	66.6608, 70.0064, 53.3764
YIQ	216.9790, 21.6880, -7.5920

Conversions

Conversions Part 2

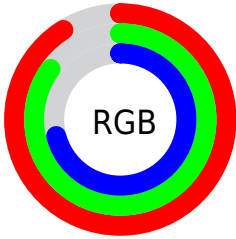
Format	Color
R _Y B	205, 233, 180
Decimal	15325364
CIE Lab	87.00, 0.27, 19.89
CIE LCh	87, 19.890, 89.220
Yxy	70.0064, 0.3508, 0.3684
Android (android.graphics.Color)	4293515444 (0xFFE9D8B4)
YUV	216.9790, -18.2306, 14.0504
Hunter-Lab	83.6698, -4.2090, 20.7454

Details

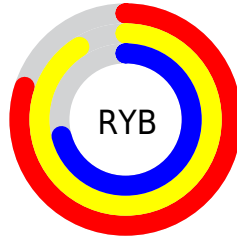
The CIELCh color $87, 19.890, 89.220$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $79, 19.858, 275.431$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 9.618, 109.449$, and $67, 19.860, 88.619$ is the 20% darker color. If you saturate the color by 10%, you get $85, 28.906, 87.894$, and if you desaturate by 10%, it is $89, 11.023, 90.513$.

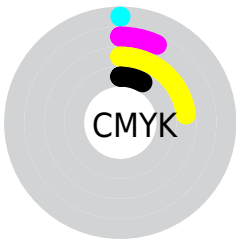
Distribution



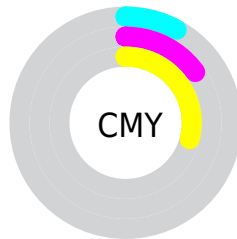
- Red (91%)
- Green (85%)
- Blue (71%)



- Red (80%)
- Yellow (91%)
- Blue (71%)



- Cyan (0%)
- Magenta (7%)
- Yellow (23%)
- Black (8%)



- Cyan (8%)
- Magenta (15%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 19.890, 89.220 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, 19.890, 89.220 by changing the saturation by 10% instead.

87, 19.890, 89.220

87, 19.890, 89.220

100, 19.890,
89.220

77, 19.890, 89.220

67, 19.890, 89.220

57, 19.890, 89.220

47, 19.890, 89.220

37, 19.890, 89.220

27, 19.890, 89.220

17, 19.890, 89.220

7, 19.890, 89.220

0, 19.890, 89.220

87, 19.890, 89.220

87, 19.890, 89.220

85, 28.906, 87.894

89, 11.023, 90.513

82, 38.011, 86.520

92, 2.324, 91.677

80, 47.088, 85.101

94, 6.202, 273.035

78, 55.907, 83.624

96, 6.206, 245.093

76, 64.052, 82.045

98, 6.998, 204.042

74, 70.841, 80.278

98, 7.391, 199.027

72, 75.385, 78.169

71, 77.230, 76.383

Harmonies

Complementary

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



87, 19.890, 89.220



79, 19.858, 275.431

Rectangle

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



87, 19.890, 89.220



87, 19.890, 139.220



87, 19.890, 269.220



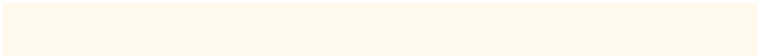
87, 19.890, 319.220

Sweetspot

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



87, 19.891, 89.227



98, 6.477, 91.211



79, 21.929, 356.029



52, 4.212, 91.139



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, 19.891, 89.227



93, 25.507, 88.644



91, 27.415, 115.049



48, 4.927, 90.917



56, 63.887, 76.878



16, 23.520, 79.736

Inverse Universe

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



79, 19.858, 275.431



83, 25.458, 276.217



76, 28.842, 298.627



46, 4.933, 273.387



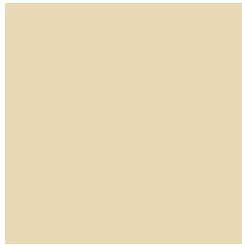
30, 77.032, 297.237



6, 27.283, 289.566

Previews

White Background



This preview shows how the CIELCh color 87, 19.890, 89.220 looks on a white background.

Color Contrast Check

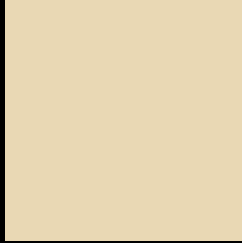
Large Text (above 18pt) WCAG AA × Fail

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, 19.890, 89.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

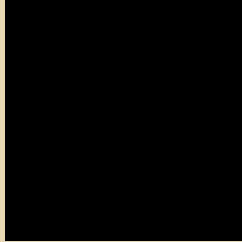
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 19.890, 89.220

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.890, 89.220.

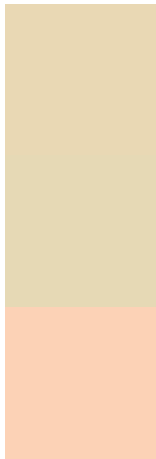


This preview shows how white text looks on a background with the CIELCh color 87, 19.890, 89.220.

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, 19.890, 89.220

Protanopia

87, 19.402, 93.579

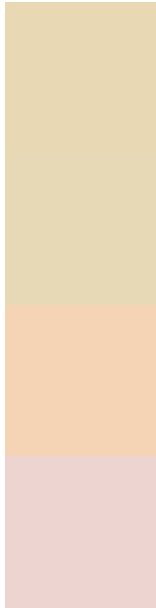
Deuteranopia

87, 22.154, 61.063



Tritanopia
87, 13.423, 341.915

Trichromacy



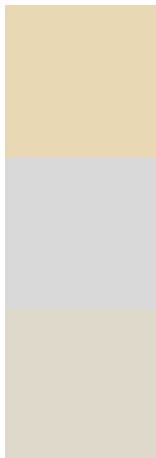
Original Color
87, 19.890, 89.220

Protanomaly
87, 19.508, 92.475

Deuteranomaly
87, 20.784, 70.499

Tritanomaly
87, 9.402, 29.558

Monochromacy



Original Color
87, 19.890, 89.220

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 7.119, 91.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.890, 89.220 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(233, 216, 180)` looks like.

```
.text, #text, p{  
    color:rgb(233, 216, 180)  
}
```

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(233, 216, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 216, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.890, 89.220 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(233, 216, 180) }
```

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

```
.border{ border-color:rgb(233, 216, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 216, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 216, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 216, 180);  
box-shadow:4px 4px 4px 4px rgb(233, 216,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.890, 89.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 216, 180) }
```

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

```
.background{ background-color: rgb(233,  
216, 180) }
```

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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