

Converting Colors

CIELCh(89, 12.120, 98.523)

Have a look what the booklet for
CIELCh(89, 12.120, 98.523) contains.

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Color

CIELCh(89, 12.120, 98.523)

Conversions

Conversions Part 1

Format	Color
Hex	E6E0C9
RGB	230, 224, 201
RGB Percent	90%, 88%, 79%
CMY	0.0990, 0.1225, 0.2127
CMYK	0.00, 0.03, 0.13, 0.10
HSL	48°, 36%, 84%
HSV	48°, 13%, 90%
XYZ	69.6548, 74.1641, 65.7511
YIQ	223.1720, 10.9590, -5.8810

Conversions

Conversions Part 2

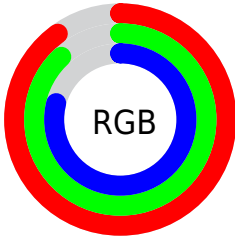
Format	Color
R _Y B	209, 230, 201
Decimal	15130825
CIE Lab	89.00, -1.80, 11.99
CIE LCh	89, 12.120, 98.523
Yxy	74.1641, 0.3324, 0.3539
Android (android.graphics.Color)	4293320905 (0xFFE6E0C9)
YUV	223.1720, -10.9308, 5.9882
Hunter-Lab	86.1186, -6.3324, 15.0154

Details

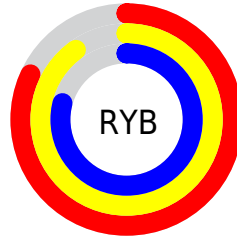
The CIELCh color **89, 12.120, 98.523** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 12.288, 281.573**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 12.169, 99.541** is the 20% darker color. If you saturate the color by 10%, you get **87, 21.811, 97.349**, and if you desaturate by 10%, it is **91, 2.497, 99.630**.

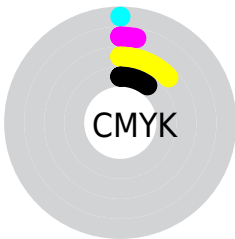
Distribution



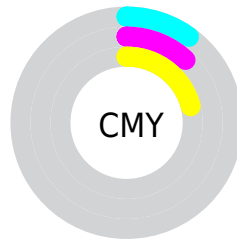
- Red (90%)
- Green (88%)
- Blue (79%)



- Red (82%)
- Yellow (90%)
- Blue (79%)



- Cyan (0%)
- Magenta (3%)
- Yellow (13%)
- Black (10%)



- Cyan (10%)
- Magenta (12%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 12.120, 98.523 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 89, 12.120, 98.523 by changing the saturation by 10% instead.

 89, 12.120, 98.523

 89, 12.120, 98.523

 100, 12.120,
98.523

 79, 12.120, 98.523

 69, 12.120, 98.523

 59, 12.120, 98.523

 49, 12.120, 98.523

 39, 12.120, 98.523

 29, 12.120, 98.523

 19, 12.120, 98.523

 9, 12.120, 98.523

 0, 12.120, 98.523

89, 12.120, 98.523

89, 12.120, 98.523

87, 21.811, 97.349

91, 2.497, 99.630

86, 31.516, 96.132

93, 7.038, 280.839

84, 41.144, 94.890

94, 9.140, 272.974

83, 50.531, 93.630

95, 7.615, 255.128

81, 59.395, 92.353

96, 7.093, 232.007

80, 67.274, 91.050

98, 7.765, 209.458

78, 73.498, 89.692

98, 8.604, 198.938

77, 77.317, 88.218

76, 78.643, 87.033

Harmonies

Complementary

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



89, 12.120, 98.523



83, 12.288, 281.573

Rectangle

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



89, 12.120, 98.523



89, 12.120, 148.523



89, 12.120, 278.523



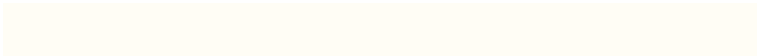
89, 12.120, 328.523

Sweetspot

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



89, 12.122, 98.533



99, 4.158, 99.496



83, 11.227, 3.166



53, 2.957, 99.417



0, 0.000, 0.000



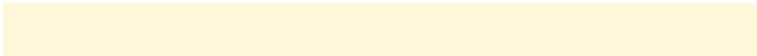
53, 0.007, 296.813

Same Dimension

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



89, 12.122, 98.533



97, 15.697, 98.245



90, 15.304, 120.432



47, 5.442, 98.897



61, 65.207, 87.332



17, 24.291, 90.068

Inverse Universe

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



83, 12.288, 281.573



90, 15.950, 281.913



82, 15.690, 301.964



45, 5.502, 281.157



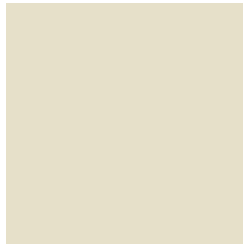
25, 88.703, 302.150



4, 28.901, 292.257

Previews

White Background



This preview shows how the CIELCh color 89, 12.120, 98.523 looks on a white background.

Color Contrast Check

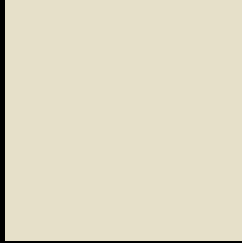
Large Text (above 18pt) WCAG AA × Fail

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 89, 12.120, 98.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

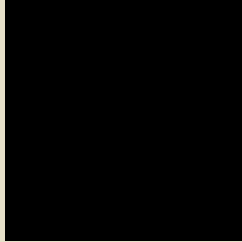
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

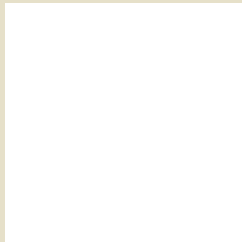
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 12.120, 98.523

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.120, 98.523.

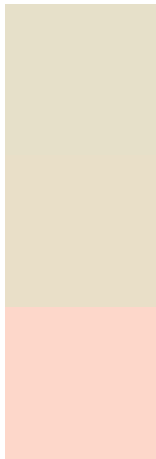


This preview shows how white text looks on a background with the CIELCh color 89, 12.120, 98.523.

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](#).

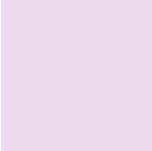
Dichromacy



Original Color
89, 12.120, 98.523

Protanopia
89, 12.492, 91.701

Deuteranopia
89, 15.967, 45.146



Tritanopia
89, 10.566, 323.200

Trichromacy



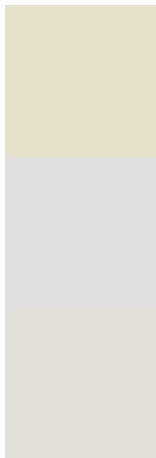
Original Color
89, 12.120, 98.523

Protanomaly
89, 12.385, 93.369

Deuteranomaly
89, 13.175, 58.825

Tritanomaly
89, 4.466, 6.154

Monochromacy



Original Color
89, 12.120, 98.523

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.206, 99.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 12.120, 98.523 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, 224, 201)` looks like.

```
.text, #text, p{  
    color:rgb(230, 224, 201)  
}
```

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, 224, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 224, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.120, 98.523 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, 224, 201) }
```

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

```
.border{ border-color:rgb(230, 224, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 224, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 224, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 224, 201);  
box-shadow:4px 4px 4px 4px rgb(230, 224,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.120, 98.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 224, 201) }
```

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

```
.background{ background-color: rgb(230,  
224, 201) }
```

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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