

Converting Colors

CIELCh(89, 20.142, 99.070)

Have a look what the booklet for
CIELCh(89, 20.142, 99.070) contains.

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Color

CIELCh(89, 19.960, 98.584)

Conversions

Conversions Part 1

Format	Color
Hex	E9E0BA
RGB	233, 224, 186
RGB Percent	91%, 88%, 73%
CMY	0.0864, 0.1216, 0.2707
CMYK	0.00, 0.04, 0.20, 0.09
HSL	49°, 52%, 82%
HSV	49°, 20%, 91%
XYZ	69.1079, 74.1641, 57.1160
YIQ	222.3590, 17.5620, -9.9100

Conversions

Conversions Part 2

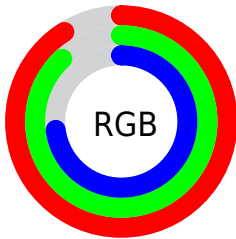
Format	Color
RYB	197, 233, 186
Decimal	15327418
CIELab	89.00, -2.98, 19.74
CIELCh	89, 19.960, 98.584
Yxy	74.1641, 0.3449, 0.3701
Android (android.graphics.Color)	4293517498 (0xFFE9E0BA)
YUV	222.3590, -17.9250, 9.3322
Hunter-Lab	86.1186, -7.4661, 20.9604

Details

The CIELCh color **89, 19.960, 98.584** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **79, 20.442, 283.550**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 6.580, 109.674**, and **69, 19.880, 98.669** is the 20% darker color. If you saturate the color by 10%, you get **87, 29.908, 97.397**, and if you desaturate by 10%, it is **91, 10.030, 99.749**.

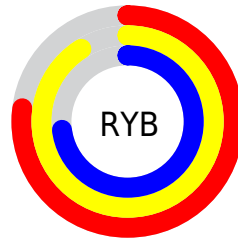
Distribution



Red (91%)

Green (88%)

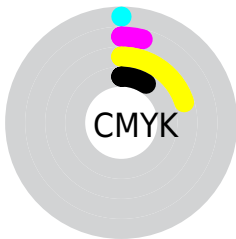
Blue (73%)



Red (77%)

Yellow (91%)

Blue (73%)

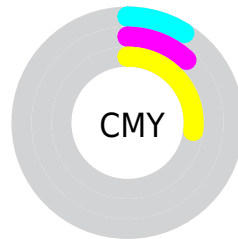


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (9%)



Cyan (9%)

Magenta (12%)

Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 19.960, 98.584 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, 19.960, 98.584 by changing the saturation by 10% instead.

 89, 19.960, 98.584

 89, 19.960, 98.584

 100, 19.960,
98.584

 79, 19.960, 98.584

 69, 19.960, 98.584

 59, 19.960, 98.584

 49, 19.960, 98.584

 39, 19.960, 98.584

 29, 19.960, 98.584

 19, 19.960, 98.584

 9, 19.960, 98.584

 0, 19.960, 98.584

89, 19.960, 98.584

89, 19.960, 98.584

87, 29.908, 97.397

91, 10.030, 99.749

86, 39.785, 96.181

92, 0.159, 99.820

84, 49.440, 94.949

94, 9.182, 281.519

83, 58.616, 93.708

95, 7.360, 266.490

82, 66.887, 92.455

96, 6.309, 244.456

80, 73.622, 91.173

97, 6.407, 219.054

79, 78.070, 89.820

98, 7.528, 199.017

78, 80.019, 88.373

Harmonies

Complementary

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



89, 19.960, 98.584



79, 20.442, 283.550

Rectangle

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



89, 19.960, 98.584



89, 19.960, 148.584



89, 19.960, 278.584



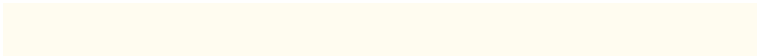
89, 19.960, 328.584

Sweetspot

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



89, 19.962, 98.591



99, 6.351, 100.210



80, 18.397, 5.297



53, 4.214, 100.139



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

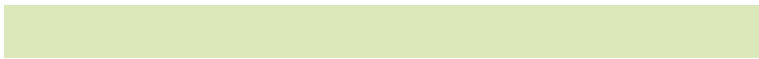
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 19.962, 98.591



96, 25.578, 98.123



90, 24.771, 120.632



48, 5.631, 99.828



62, 66.347, 88.641



18, 25.894, 91.113

Inverse Universe

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



79, 20.442, 283.550



83, 26.328, 284.167



78, 25.761, 303.096



46, 5.700, 282.064



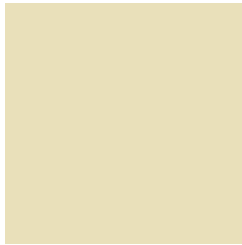
25, 91.223, 302.679



4, 31.029, 293.824

Previews

White Background



This preview shows how the CIELCh color 89, 19.960, 98.584 looks on a white background.

Color Contrast Check

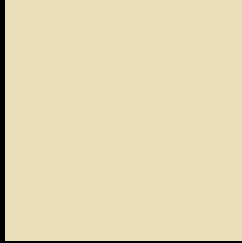
Large Text (above 18pt) WCAG AA × Fail

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, 19.960, 98.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

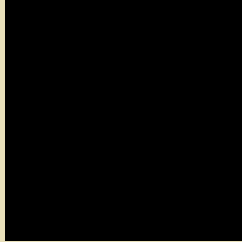
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

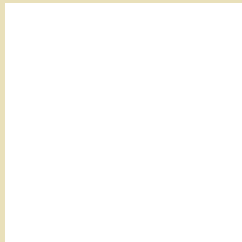
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 19.960, 98.584

Background



This preview shows how black text looks on a background with the CIELCh color 89, 19.960, 98.584.

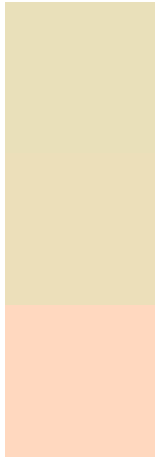


This preview shows how white text looks on a background with the CIELCh color 89, 19.960, 98.584.

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, 19.960, 98.584

Protanopia

89, 19.803, 93.965

Deuteranopia

89, 20.008, 60.263



Tritanopia
89, 11.874, 332.059

Trichromacy



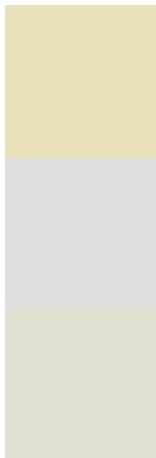
Original Color
89, 19.960, 98.584

Protanomaly
89, 19.708, 95.054

Deuteranomaly
89, 19.012, 74.275

Tritanomaly
89, 6.404, 33.786

Monochromacy



Original Color
89, 19.960, 98.584

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 7.340, 100.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 19.960, 98.584 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, 224, 186)` looks like.

```
.text, #text, p{  
    color:rgb(233, 224, 186)  
}
```

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, 224, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 224, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 19.960, 98.584 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, 224, 186) }
```

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

```
.border{ border-color:rgb(233, 224, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 224, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 224, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 224, 186);  
box-shadow:4px 4px 4px 4px rgb(233, 224,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 19.960, 98.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 224, 186) }
```

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

```
.background{ background-color: rgb(233,  
224, 186) }
```

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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