

Converting Colors

CIELCh(89, 27.761, 99.023)

Have a look what the booklet for
CIELCh(89, 27.761, 99.023) contains.

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Color

CIELCh(89, 27.697, 98.931)

Conversions

Conversions Part 1

Format	Color
Hex	EBE0AB
RGB	235, 224, 171
RGB Percent	92%, 88%, 67%
CMY	0.0771, 0.1202, 0.3281
CMYK	0.00, 0.05, 0.27, 0.08
HSL	50°, 62%, 80%
HSV	50°, 27%, 92%
XYZ	68.5007, 74.1641, 49.3930
YIQ	221.2470, 23.5690, -14.1510

Conversions

Conversions Part 2

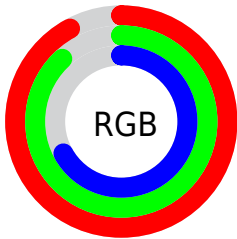
Format	Color
RYB	184, 235, 171
Decimal	15458475
CIELab	89.00, -4.30, 27.36
CIELCh	89, 27.697, 98.931
Yxy	74.1641, 0.3567, 0.3862
Android (android.graphics.Color)	4293648555 (0xFFEBE0AB)
YUV	221.2470, -24.7718, 12.0614
Hunter-Lab	86.1186, -8.7246, 26.2775

Details

The CIELCh color **89, 27.697, 98.931** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **75, 28.755, 285.753**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **69, 27.978, 98.666** is the 20% darker color. If you saturate the color by 10%, you get **88, 37.841, 97.751**, and if you desaturate by 10%, it is **90, 17.492, 100.099**.

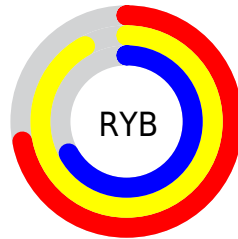
Distribution



Red (92%)

Green (88%)

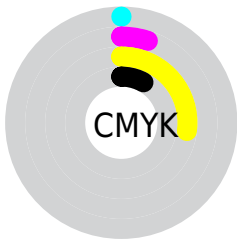
Blue (67%)



Red (72%)

Yellow (92%)

Blue (67%)

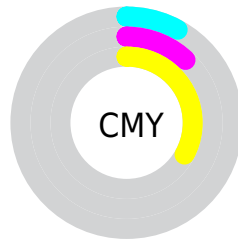


Cyan (0%)

Magenta (5%)

Yellow (27%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 27.697, 98.931 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, 27.697, 98.931 by changing the saturation by 10% instead.

 89, 27.697, 98.931

 89, 27.697, 98.931

 100, 27.697,
98.931

 79, 27.697, 98.931

 69, 27.697, 98.931

 59, 27.697, 98.931

 49, 27.697, 98.931

 39, 27.697, 98.931

 29, 27.697, 98.931

 19, 27.697, 98.931

 9, 27.697, 98.931

 0, 27.697, 98.931

89, 27.697, 98.931

89, 27.697, 98.931

88, 37.841, 97.751

90, 17.492,
100.099

86, 47.784, 96.554

92, 7.298, 101.224

85, 57.295, 95.354

94, 2.839, 282.404

84, 65.992, 94.157

95, 7.621, 277.323

83, 73.298, 92.956

96, 6.163, 259.784

81, 78.480, 91.730

97, 5.547, 235.455

80, 80.975, 90.428

98, 6.028, 210.642

80, 81.405, 90.055

99, 6.736, 199.077

Harmonies

Complementary

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



89, 27.697, 98.931



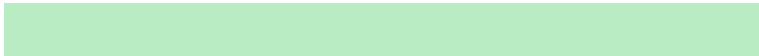
75, 28.755, 285.753

Rectangle

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



89, 27.697, 98.931



89, 27.697, 148.931



89, 27.697, 278.931



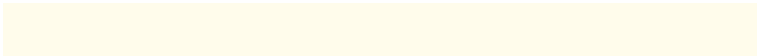
89, 27.697, 328.931

Sweetspot

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



89, 27.699, 98.936



99, 8.654, 101.133



76, 25.339, 7.479



52, 6.154, 100.966



0, 0.000, 0.000



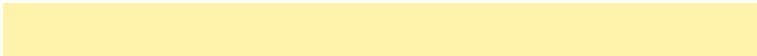
53, 0.007, 296.813

Same Dimension

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



89, 27.699, 98.936



95, 35.850, 98.234



90, 33.684, 120.879



48, 5.747, 100.975



63, 66.986, 90.298



18, 26.327, 92.612

Inverse Universe

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



75, 28.755, 285.753



76, 37.600, 286.796



74, 35.522, 304.200



46, 5.825, 283.173



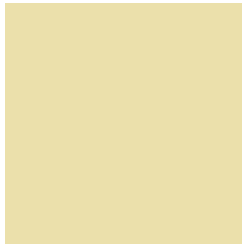
25, 93.034, 303.264



4, 31.502, 294.278

Previews

White Background



This preview shows how the CIELCh color 89, 27.697, 98.931 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, 27.697, 98.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

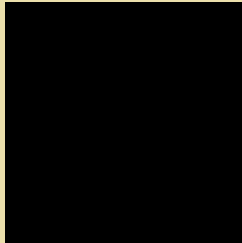
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 27.697, 98.931

Background



This preview shows how black text looks on a background with the CIELCh color 89, 27.697, 98.931.



This preview shows how white text looks on a background with the CIELCh color 89, 27.697, 98.931.

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, 27.697, 98.931

Protanopia

89, 27.608, 94.754

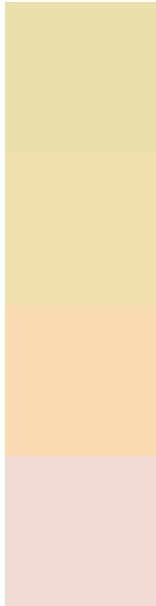
Deuteranopia

89, 22.691, 66.659



Tritanopia
89, 13.139, 338.072

Trichromacy



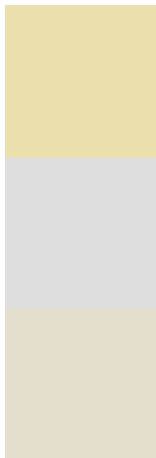
Original Color
89, 27.697, 98.931

Protanomaly
89, 27.517, 95.556

Deuteranomaly
89, 23.740, 79.868

Tritanomaly
89, 8.815, 47.859

Monochromacy



Original Color
89, 27.697, 98.931

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 9.961, 100.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 27.697, 98.931 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(235, 224, 171)` looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 171)  
}
```

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(235, 224, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 27.697, 98.931 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(235, 224, 171) }
```

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

```
.border{ border-color:rgb(235, 224, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 171);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 27.697, 98.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 171) }
```

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

```
.background{ background-color: rgb(235,  
224, 171) }
```

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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