

Converting Colors

CIELCh(89, 22.205, 100.250)

Have a look what the booklet for
CIELCh(89, 22.205, 100.250)
contains.

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Color

CIELCh(89, 21.995, 99.286)

Conversions

Conversions Part 1

Format	Color
Hex	E9E0B6
RGB	233, 224, 182
RGB Percent	91%, 88%, 71%
CMY	0.0855, 0.1208, 0.2855
CMYK	0.00, 0.04, 0.22, 0.09
HSL	49°, 54%, 81%
HSV	49°, 22%, 91%
XYZ	68.8454, 74.1641, 55.0483
YIQ	221.9030, 18.8460, -11.1540

Conversions

Conversions Part 2

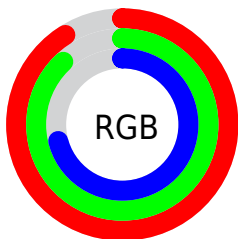
Format	Color
R_{YB}	193, 233, 182
Decimal	15327414
CIE Lab	89.00, -3.55, 21.71
CIE LCh	89, 21.995, 99.286
Yxy	74.1641, 0.3476, 0.3745
Android (android.graphics.Color)	4293517494 (0xFFE9E0B6)
YUV	221.9030, -19.6722, 9.7321
Hunter-Lab	86.1186, -8.0101, 22.3839

Details

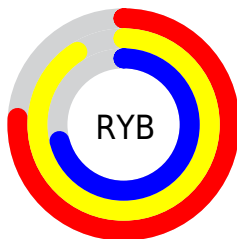
The CIELCh color **89, 21.995, 99.286** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 22.632, 284.648**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 8.605, 109.524**, and **69, 22.015, 99.309** is the 20% darker color. If you saturate the color by 10%, you get **88, 32.072, 98.112**, and if you desaturate by 10%, it is **91, 11.909, 100.442**.

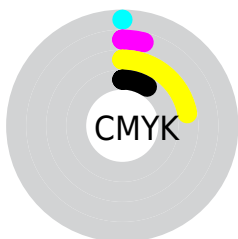
Distribution



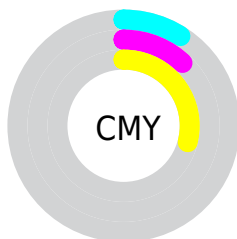
- Red (91%)
- Green (88%)
- Blue (71%)



- Red (76%)
- Yellow (91%)
- Blue (71%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 21.995, 99.286 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, 21.995, 99.286 by changing the saturation by 10% instead.

■ 89, 21.995, 99.286

■ 89, 21.995, 99.286

■ 100, 21.995,
99.286

■ 79, 21.995, 99.286

■ 69, 21.995, 99.286

■ 59, 21.995, 99.286

■ 49, 21.995, 99.286

■ 39, 21.995, 99.286

■ 29, 21.995, 99.286

■ 19, 21.995, 99.286

■ 9, 21.995, 99.286

■ 0, 21.995, 99.286

89, 21.995, 99.286

89, 21.995, 99.286

88, 32.072, 98.112

91, 11.909,
100.442

86, 42.037, 96.915

92, 1.863, 101.492

85, 51.719, 95.708

94, 8.109, 282.683

83, 60.829, 94.499

95, 7.752, 271.576

82, 68.902, 93.288

96, 6.503, 253.149

81, 75.278, 92.061

97, 6.151, 229.792

80, 79.229, 90.780

98, 6.825, 207.679

79, 80.663, 89.673

98, 7.452, 199.023

Harmonies

Complementary

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



89, 21.995, 99.286



78, 22.632, 284.648

Rectangle

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



89, 21.995, 99.286



89, 21.995, 149.286



89, 21.995, 279.286



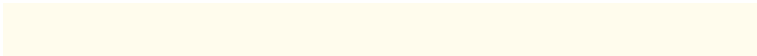
89, 21.995, 329.286

Sweetspot

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



89, 21.997, 99.292



99, 7.532, 100.981



79, 19.963, 6.771



53, 4.896, 100.914



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, 21.997, 99.292



96, 28.126, 98.793



90, 26.943, 121.188



48, 5.720, 100.712



63, 66.831, 89.916



18, 26.225, 92.268

Inverse Universe

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



78, 22.632, 284.648



82, 29.122, 285.326



77, 28.094, 303.803



46, 5.796, 282.919



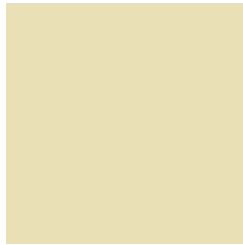
25, 92.622, 303.133



4, 31.392, 294.173

Previews

White Background



This preview shows how the CIELCh color 89, 21.995, 99.286 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 CIE LCh color 89, 21.995, 99.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

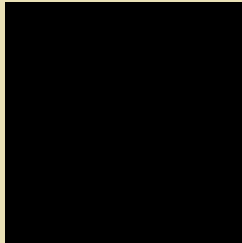
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

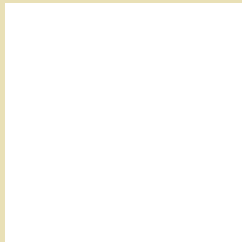
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 21.995, 99.286

Background



This preview shows how black text looks on a background with the CIELCh color 89, 21.995, 99.286.



This preview shows how white text looks on a background with the CIELCh color 89, 21.995, 99.286.

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, 21.995, 99.286

Protanopia

89, 21.907, 94.093

Deuteranopia

89, 20.745, 62.267



Tritanopia
89, 12.114, 333.354

Trichromacy



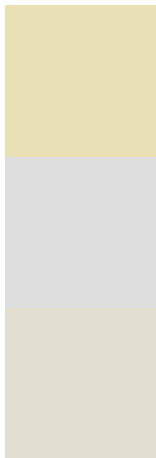
Original Color
89, 21.995, 99.286

Protanomaly
89, 21.812, 95.084

Deuteranomaly
89, 19.895, 75.812

Tritanomaly
89, 7.095, 41.166

Monochromacy



Original Color
89, 21.995, 99.286

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 7.855, 101.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 21.995, 99.286 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(233, 224, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 224, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 21.995, 99.286 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, 182) }
```

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

```
.border{ border-color:rgb(233, 224, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 224, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 224, 182);  
box-shadow:4px 4px 4px 4px rgb(233, 224,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 21.995, 99.286 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, 182) }
```

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

```
.background{ background-color: rgb(233,  
224, 182) }
```

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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