

Converting Colors

CIELCh(89, 15.280, 111.678)

Have a look what the booklet for
CIELCh(89, 15.280, 111.678)
contains.

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Color

CIELCh(89, 15.549, 111.654)

Conversions

Conversions Part 1

Format	Color
Hex	E0E2C4
RGB	224, 226, 196
RGB Percent	88%, 89%, 77%
CMY	0.1219, 0.1140, 0.2317
CMYK	0.01, 0.00, 0.13, 0.11
HSL	64°, 34%, 83%
HSV	64°, 13%, 89%
XYZ	67.8437, 74.1641, 62.9159
YIQ	221.9820, 8.4380, -9.7540

Conversions

Conversions Part 2

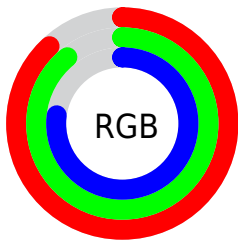
Format	Color
R_{YB}	196, 226, 198
Decimal	14738116
CIE Lab	89.00, -5.74, 14.45
CIE LCh	89, 15.549, 111.654
Yxy	74.1641, 0.3311, 0.3619
Android (android.graphics.Color)	4292928196 (0xFFE0E2C4)
YUV	221.9820, -12.8091, 1.7698
Hunter-Lab	86.1186, -10.0863, 16.9674

Details

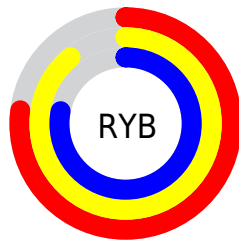
The CIELCh color **89, 15.549, 111.654** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **80, 16.030, 294.066**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.003, 110.026**, and **69, 15.820, 111.456** is the 20% darker color. If you saturate the color by 10%, you get **88, 27.158, 110.789**, and if you desaturate by 10%, it is **90, 3.841, 112.516**.

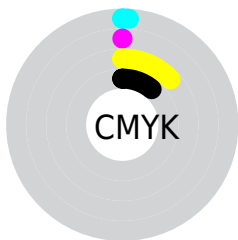
Distribution



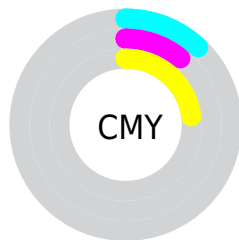
- Red (88%)
- Green (89%)
- Blue (77%)



- Red (77%)
- Yellow (89%)
- Blue (78%)



- Cyan (1%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (12%)
- Magenta (11%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 15.549, 111.654 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, 15.549, 111.654 by changing the saturation by 10% instead.


 89, 15.549,
111.654


 89, 15.549,
111.654


 100, 15.549,
111.654


 79, 15.549,
111.654

 69, 15.549,
111.654

 59, 15.549,
111.654

 49, 15.549,
111.654

 39, 15.549,
111.654

 29, 15.549,
111.654

 19, 15.549,

111.654

■ 9, 15.549, 111.654

■ 0, 15.549, 111.654

■ 89, 15.549,
111.654

■ 89, 15.549,
111.654

■ 88, 27.158,
110.789

■ 90, 3.841, 112.516

■ 88, 38.563,
109.926

■ 90, 7.907, 293.377

■ 88, 49.610,
109.095

■ 91, 15.142,
294.625

■ 87, 60.065,
108.329

■ 91, 15.186,
296.557

■ 87, 69.573,

■ 91, 15.247,
298.481

107.671

91, 15.324,
300.394

87, 77.651,
107.174

91, 15.418,
302.292

86, 83.739,
106.900

91, 15.529,
304.170

86, 87.409,
106.893

92, 15.655,
306.025

86, 88.740,
107.016

Harmonies

Complementary

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



89, 15.549, 111.654



80, 16.030, 294.066

Rectangle

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



89, 15.549, 111.654



89, 15.549, 161.654



89, 15.549, 291.654



89, 15.549, 341.654

Sweetspot

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



89, 15.551, 111.660



100, 5.169, 112.454



82, 10.593, 25.855



53, 3.675, 112.391



0, 0.000, 0.000



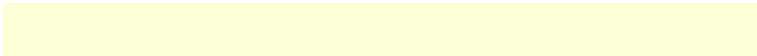
53, 0.007, 296.813

Same Dimension

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



89, 15.551, 111.660



99, 20.653, 111.414



88, 16.847, 130.796



47, 6.618, 111.993



69, 73.610, 106.949



19, 27.971, 107.634

Inverse Universe

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



80, 16.030, 294.066



87, 21.427, 294.369



81, 17.113, 311.929



43, 6.765, 293.676



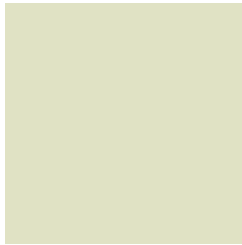
21, 100.957, 306.498



2, 31.735, 297.451

Previews

White Background



This preview shows how the CIELCh color 89, 15.549, 111.654 looks on a white background.

Color Contrast Check

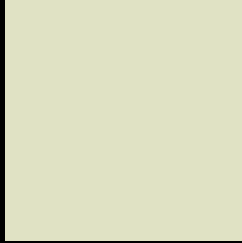
Large Text (above 18pt) WCAG AA × Fail

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, 15.549, 111.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

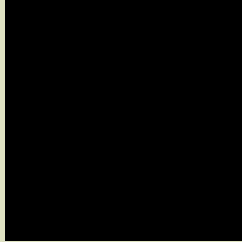
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

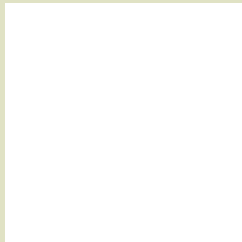
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 15.549, 111.654

Background



This preview shows how black text looks on a background with the CIELCh color 89, 15.549, 111.654.

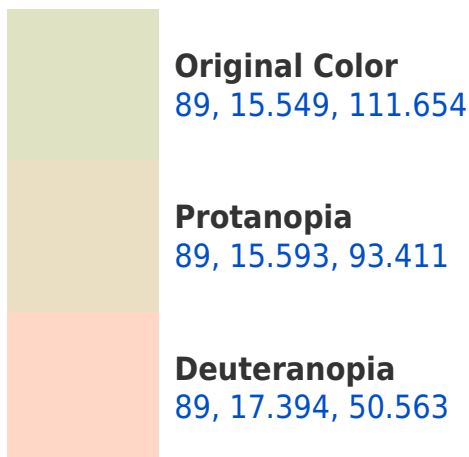


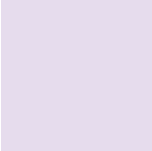
This preview shows how white text looks on a background with the CIELCh color 89, 15.549, 111.654.

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](#).

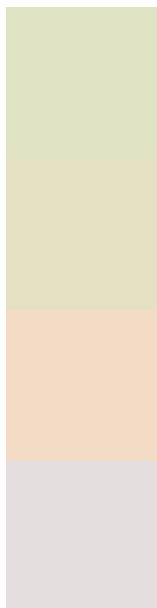
Dichromacy





Tritanopia
89, 9.583, 312.374

Trichromacy



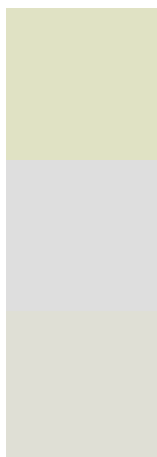
Original Color
89, 15.549, 111.654

Protanomaly
89, 15.186, 100.353

Deuteranomaly
89, 14.646, 70.718

Tritanomaly
89, 2.161, 19.283

Monochromacy



Original Color
89, 15.549, 111.654

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 5.190, 109.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 15.549, 111.654 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(224, 226, 196)` looks like.

```
.text, #text, p{  
    color:rgb(224, 226, 196)  
}
```

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(224, 226, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 226, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 15.549, 111.654 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(224, 226, 196) }
```

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

```
.border{ border-color:rgb(224, 226, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 226, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 226, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 226, 196); box-shadow:4px 4px 4px 4px rgb(224, 226, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 15.549, 111.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 226, 196) }
```

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

```
.background{ background-color: rgb(224,  
226, 196) }
```

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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