

Converting Colors

CIELCh(89, 35.232, 107.707)

Have a look what the booklet for
CIELCh(89, 35.232, 107.707)
contains.

CIELCh(89, 35.361, 107.882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 35.361, 107.882)

Conversions

Conversions Part 1

Format	Color
Hex	E3E49F
RGB	227, 228, 159
RGB Percent	89%, 89%, 62%
CMY	0.1106, 0.1067, 0.3772
CMYK	0.00, 0.00, 0.30, 0.11
HSL	61°, 56%, 76%
HSV	61°, 30%, 89%
XYZ	65.5382, 74.1641, 43.5714
YIQ	219.8350, 21.5530, -21.6710

Conversions

Conversions Part 2

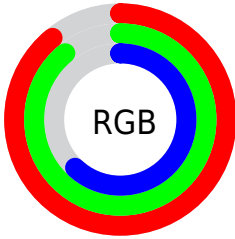
Format	Color
RYB	159, 228, 160
Decimal	14935199
CIELab	89.00, -10.86, 33.65
CIELCh	89, 35.361, 107.882
Yxy	74.1641, 0.3576, 0.4047
Android (android.graphics.Color)	4293125279 (0xFFE3E49F)
YUV	219.8350, -29.9917, 6.2837
Hunter-Lab	86.1186, -14.8651, 30.2855

Details

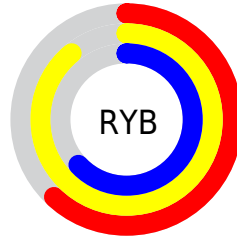
The CIELCh color **89, 35.361, 107.882** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 38.083, 294.410**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 20.719, 108.609**, and **69, 35.397, 107.929** is the 20% darker color. If you saturate the color by 10%, you get **89, 46.596, 106.963**, and if you desaturate by 10%, it is **89, 23.824, 108.832**.

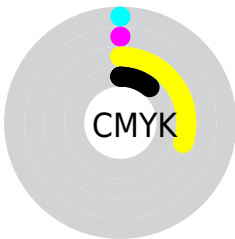
Distribution



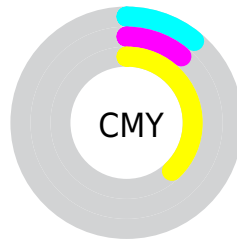
- Red (89%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (63%)



- Cyan (0%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)





- Cyan (11%)
- Magenta (11%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 35.361, 107.882 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, 35.361, 107.882 by changing the saturation by 10% instead.


 89, 35.361,
107.882


 89, 35.361,
107.882


 100, 35.361,
107.882


 79, 35.361,
107.882

 69, 35.361,
107.882

 59, 35.361,
107.882

 49, 35.361,
107.882

 39, 35.361,
107.882

 29, 35.361,
107.882

 19, 35.361,

107.882

■ 9, 35.361, 107.882

■ 0, 35.361, 107.882

■ 89, 35.361,
107.882

■ 89, 35.361,
107.882

■ 89, 46.596,
106.963

■ 89, 23.824,
108.832

■ 88, 57.313,
106.092

■ 90, 12.116,
109.780

■ 88, 67.191,
105.304

■ 90, 0.328, 110.530

■ 88, 75.777,
104.641

■ 91, 11.483,
291.652

■ 88, 82.512,

■ 91, 14.117,
292.207

104.148

91, 14.121,
292.665

88, 86.897,
103.863

91, 14.126,
293.123

88, 89.009,
103.770

91, 14.132,
293.580

91, 14.138,
294.038

Harmonies

Complementary

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



89, 35.361, 107.882



68, 38.083, 294.410

Rectangle

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



89, 35.361, 107.882



89, 35.361, 157.882



89, 35.361, 287.882



89, 35.361, 337.882

Sweetspot

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



89, 35.363, 107.885



99, 11.618, 109.896



72, 27.684, 21.960



53, 8.072, 109.759



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, 35.363, 107.885



98, 45.827, 107.334



87, 37.973, 127.653



48, 6.731, 109.858



70, 74.169, 103.756



20, 29.314, 104.474

Inverse Universe

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



68, 38.083, 294.410



70, 50.240, 295.358



71, 39.625, 310.551



44, 6.882, 291.712



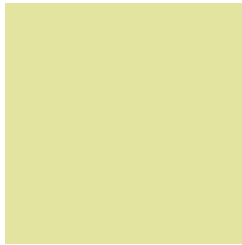
21, 102.316, 306.332



2, 33.701, 297.127

Previews

White Background



This preview shows how the CIELCh color 89, 35.361, 107.882 looks on a white background.

Color Contrast Check

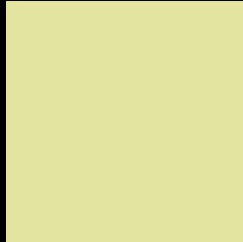
Large Text (above 18pt) WCAG AA × Fail

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, 35.361, 107.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

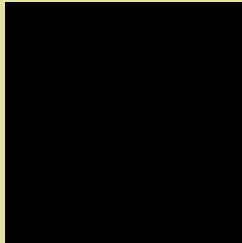
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

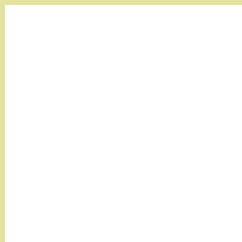
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 35.361, 107.882

Background



This preview shows how black text looks on a background with the CIELCh color 89, 35.361, 107.882.



This preview shows how white text looks on a background with the CIELCh color 89, 35.361, 107.882.

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, 35.361, 107.882

Protanopia

89, 34.769, 95.350

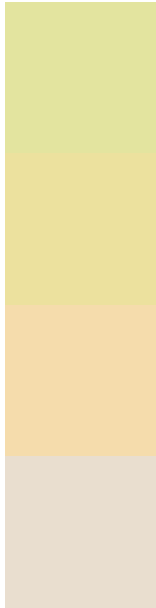
Deuteranopia

89, 24.335, 69.624



Tritanopia
89, 10.975, 326.368

Trichromacy



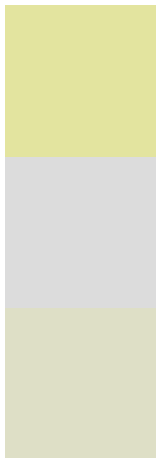
Original Color
89, 35.361, 107.882

Protanomaly
89, 34.716, 100.041

Deuteranomaly
89, 26.816, 86.505

Tritanomaly
89, 8.774, 81.804

Monochromacy



Original Color
89, 35.361, 107.882

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 12.983, 110.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 35.361, 107.882 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(227, 228, 159)` looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 159)  
}
```

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(227, 228, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 35.361, 107.882 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(227, 228, 159) }
```

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

```
.border{ border-color:rgb(227, 228, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 228, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 159);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 35.361, 107.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 228, 159) }
```

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

```
.background{ background-color: rgb(227,  
228, 159) }
```

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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