

Converting Colors

CIELCh(89, 35.858, 107.201)

Have a look what the booklet for
CIELCh(89, 35.858, 107.201)
contains.

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Color

CIELCh(89, 35.858, 107.201)

Conversions

Conversions Part 1

Format	Color
Hex	E4E49E
RGB	228, 228, 158
RGB Percent	89%, 89%, 62%
CMY	0.1074, 0.1074, 0.3818
CMYK	0.00, 0.00, 0.31, 0.11
HSL	60°, 56%, 76%
HSV	60°, 31%, 89%
XYZ	65.6512, 74.1641, 43.0401
YIQ	220.0200, 22.4700, -21.7700

Conversions

Conversions Part 2

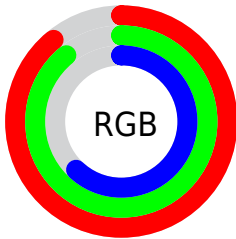
Format	Color
RYB	158, 228, 158
Decimal	15000734
CIELab	89.00, -10.60, 34.25
CIELCh	89, 35.858, 107.201
Yxy	74.1641, 0.3590, 0.4056
Android (android.graphics.Color)	4293190814 (0xFFE4E49E)
YUV	220.0200, -30.5759, 6.9985
Hunter-Lab	86.1186, -14.6309, 30.6512

Details

The CIELCh color **89, 35.858, 107.201** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **67, 38.668, 294.014**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 21.222, 108.570**, and **69, 35.903, 107.183** is the 20% darker color. If you saturate the color by 10%, you get **89, 47.069, 106.262**, and if you desaturate by 10%, it is **89, 24.339, 108.172**.

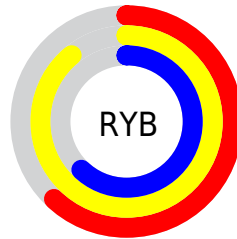
Distribution



Red (89%)

Green (89%)

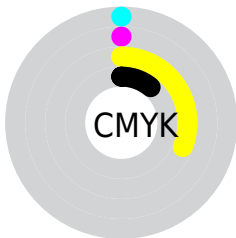
Blue (62%)



Red (62%)

Yellow (89%)

Blue (62%)

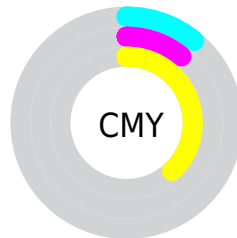


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (11%)



Cyan (11%)


Magenta (11%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 35.858, 107.201 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, 35.858, 107.201 by changing the saturation by 10% instead.


 89, 35.858,
107.201


 89, 35.858,
107.201


 100, 35.858,
107.201


 79, 35.858,
107.201

 69, 35.858,
107.201

 59, 35.858,
107.201

 49, 35.858,
107.201

 39, 35.858,
107.201

 29, 35.858,
107.201

 19, 35.858,

107.201

■ 9, 35.858, 107.201

■ 0, 35.858, 107.201

■ 89, 35.858,
107.201

■ 89, 35.858,
107.201

■ 89, 47.069,
106.262

■ 89, 24.339,
108.172

■ 88, 57.749,
105.370

■ 90, 12.645,
109.144

■ 88, 67.573,
104.561

■ 90, 0.868, 110.033

■ 88, 76.080,
103.872

■ 91, 10.933,
291.064

■ 88, 82.709,

■ 91, 14.203,
291.324

103.347

91, 14.203,
291.329

88, 86.971,
103.014

91, 14.203,
291.335

88, 88.938,
102.863

91, 14.203,
291.340

91, 14.203,
291.346

Harmonies

Complementary

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



89, 35.858, 107.201



67, 38.668, 294.014

Rectangle

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



89, 35.858, 107.201



89, 35.858, 157.201



89, 35.858, 287.201



89, 35.858, 337.201

Sweetspot

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



89, 35.860, 107.205



99, 11.616, 109.306



72, 28.133, 22.018



53, 8.070, 109.165



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, 35.860, 107.205



98, 47.049, 106.589



87, 38.517, 127.631



48, 6.730, 109.268



71, 74.152, 102.863



20, 29.318, 103.665

Inverse Universe

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



67, 38.668, 294.014



70, 51.745, 295.094



70, 40.221, 310.575



44, 6.881, 291.169



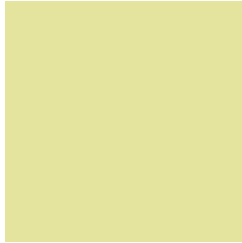
21, 102.390, 306.288



2, 33.678, 296.780

Previews

White Background



This preview shows how the CIELCh color 89, 35.858, 107.201 looks on a white background.

Color Contrast Check

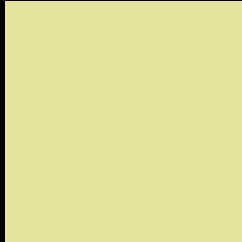
Large Text (above 18pt) WCAG AA × Fail

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, 35.858, 107.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

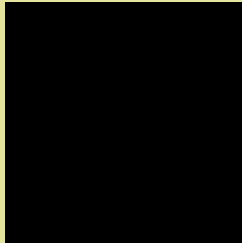
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 35.858, 107.201

Background



This preview shows how black text looks on a background with the CIELCh color 89, 35.858, 107.201.



This preview shows how white text looks on a background with the CIELCh color 89, 35.858, 107.201.

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, 35.858, 107.201

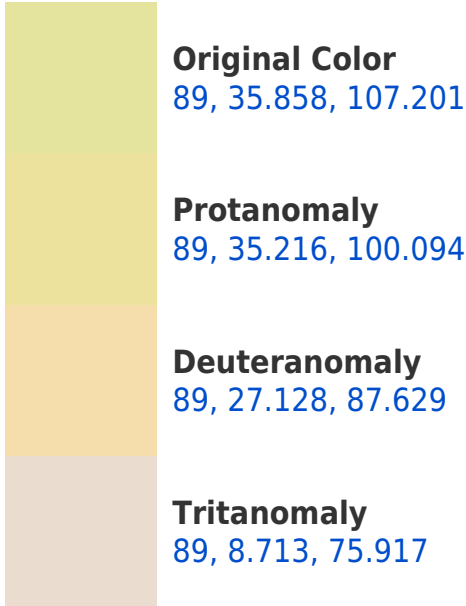
Protanopia
89, 35.265, 95.464

Deuteranopia
89, 24.477, 71.029

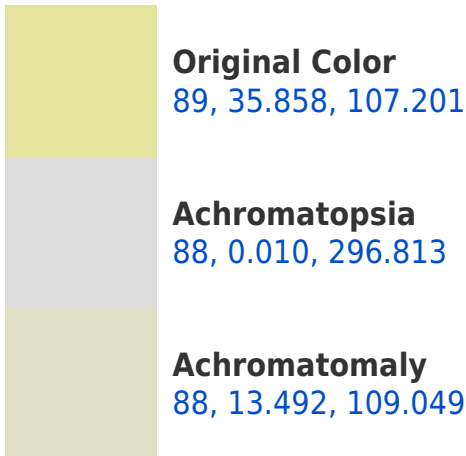


Tritanopia
89, 11.186, 327.870

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 35.858, 107.201 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(228, 228, 158)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 158)  
}
```

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(228, 228, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 35.858, 107.201 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(228, 228, 158) }
```

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

```
.border{ border-color:rgb(228, 228, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 228, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 228, 158); box-shadow:4px 4px 4px 4px rgb(228, 228, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 35.858, 107.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 158) }
```

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

```
.background{ background-color: rgb(228,  
228, 158) }
```

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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