

Converting Colors

CIELCh(89, 38.594, 100.071)

Have a look what the booklet for
CIELCh(89, 38.594, 100.071)
contains.

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Color

CIELCh(89, 38.258, 99.755)

Conversions

Conversions Part 1

Format	Color
Hex	EDE197
RGB	237, 225, 151
RGB Percent	93%, 88%, 59%
CMY	0.0702, 0.1172, 0.4075
CMYK	0.00, 0.05, 0.36, 0.07
HSL	52°, 71%, 76%
HSV	52°, 36%, 93%
XYZ	67.5051, 74.1641, 40.0754
YIQ	220.1520, 30.9060, -20.4700

Conversions

Conversions Part 2

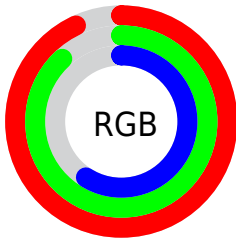
Format	Color
R _Y B	165, 237, 151
Decimal	15589783
CIE Lab	89.00, -6.48, 37.70
CIE LCh	89, 38.258, 99.755
Yxy	74.1641, 0.3714, 0.4081
Android (android.graphics.Color)	4293779863 (0xFFEDE197)
YUV	220.1520, -34.0919, 14.7757
Hunter-Lab	86.1186, -10.7882, 32.6923

Details

The CIELCh color **89, 38.258, 99.755** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 40.730, 289.031**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.734, 108.302**, and **69, 38.312, 99.766** is the 20% darker color. If you saturate the color by 10%, you get **88, 48.507, 98.615**, and if you desaturate by 10%, it is **90, 27.777, 100.899**.

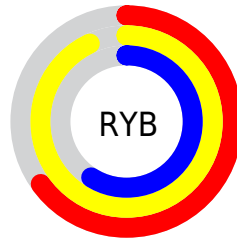
Distribution



Red (93%)

Green (88%)

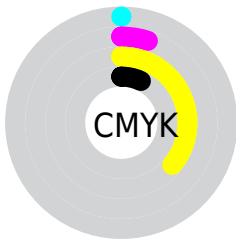
Blue (59%)



Red (65%)

Yellow (93%)

Blue (59%)

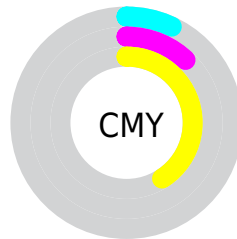


Cyan (0%)

Magenta (5%)

Yellow (36%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 38.258, 99.755 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, 38.258, 99.755 by changing the saturation by 10% instead.

89, 38.258, 99.755

89, 38.258, 99.755

100, 38.258,
99.755

79, 38.258, 99.755

69, 38.258, 99.755

59, 38.258, 99.755

49, 38.258, 99.755

39, 38.258, 99.755

29, 38.258, 99.755

19, 38.258, 99.755

9, 38.258, 99.755

0, 38.258, 99.755

89, 38.258, 99.755

89, 38.258, 99.755

88, 48.507, 98.615

90, 27.777,
100.899

87, 58.284, 97.481

92, 17.201,
102.023

86, 67.208, 96.368

85, 74.715, 95.283

93, 6.614, 103.113

84, 80.096, 94.222

94, 3.936, 284.241

83, 82.783, 93.155

95, 7.009, 277.884

82, 83.332, 92.754

96, 5.769, 262.775

97, 5.105, 241.898

98, 5.233, 218.843

99, 6.098, 199.749

Harmonies

Complementary

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



89, 38.258, 99.755



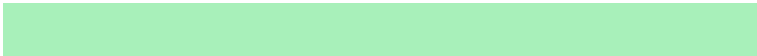
69, 40.730, 289.031

Rectangle

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



89, 38.258, 99.755



89, 38.258, 149.755



89, 38.258, 279.755



89, 38.258, 329.755

Sweetspot

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



89, 38.259, 99.759



98, 12.322, 102.600



71, 34.555, 11.401



52, 8.282, 102.451



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, 38.259, 99.759



94, 49.010, 98.855



90, 45.219, 121.699



49, 5.945, 102.772



65, 68.180, 92.947



19, 27.078, 94.968

Inverse Universe

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



69, 40.730, 289.031



68, 53.188, 290.616



68, 48.508, 306.007



45, 6.038, 284.909



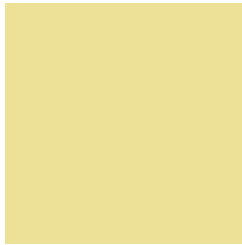
24, 95.758, 304.108



4, 32.289, 295.001

Previews

White Background



This preview shows how the CIELCh color 89, 38.258, 99.755 looks on a white background.

Color Contrast Check

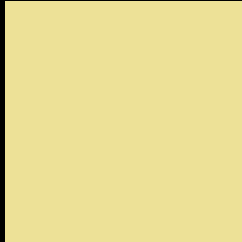
Large Text (above 18pt) WCAG AA × Fail

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, 38.258, 99.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

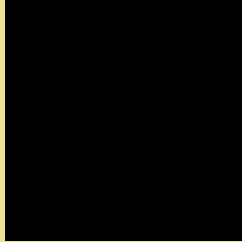
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 38.258, 99.755

Background



This preview shows how black text looks on a background with the CIELCh color 89, 38.258, 99.755.



This preview shows how white text looks on a background with the CIELCh color 89, 38.258, 99.755.

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, 38.258, 99.755

Protanopia

89, 38.318, 95.463

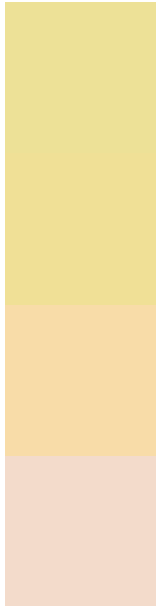
Deuteranopia

89, 25.334, 72.298



Tritanopia
89, 14.245, 342.129

Trichromacy



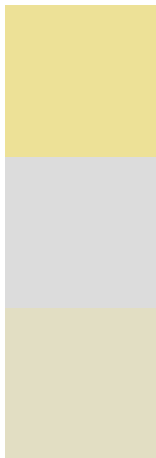
Original Color
89, 38.258, 99.755

Protanomaly
89, 38.541, 97.348

Deuteranomaly
89, 29.215, 85.535

Tritanomaly
89, 12.286, 62.176

Monochromacy



Original Color
89, 38.258, 99.755

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 14.090, 102.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 38.258, 99.755 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(237, 225, 151)` looks like.

```
.text, #text, p{  
    color:rgb(237, 225, 151)  
}
```

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(237, 225, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 225, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 38.258, 99.755 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(237, 225, 151) }
```

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

```
.border{ border-color:rgb(237, 225, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 225, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 225, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 225, 151); box-shadow:4px 4px 4px 4px rgb(237, 225, 151) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 38.258, 99.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 225, 151) }
```

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

```
.background{ background-color: rgb(237,  
225, 151) }
```

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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