

Converting Colors

CIELCh(89, 3.990, 66.317)

Have a look what the booklet for
CIELCh(89, 3.990, 66.317) contains.

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Color

CIELCh(89, 3.881, 61.346)

Conversions

Conversions Part 1

Format	Color
Hex	E6DED9
RGB	230, 222, 217
RGB Percent	90%, 87%, 85%
CMY	0.0976, 0.1289, 0.1486
CMYK	0.00, 0.03, 0.06, 0.10
HSL	23°, 21%, 88%
HSV	23°, 6%, 90%
XYZ	71.3639, 74.1641, 76.2799
YIQ	223.8220, 6.3730, 0.1410

Conversions

Conversions Part 2

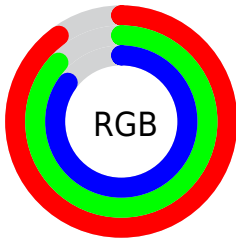
Format	Color
R_{YB}	230, 225, 217
Decimal	15130329
CIE Lab	89.00, 1.86, 3.41
CIE LCh	89, 3.881, 61.346
Yxy	74.1641, 0.3217, 0.3344
Android (android.graphics.Color)	4293320409 (0xFFE6DED9)
YUV	223.8220, -3.3632, 5.4181
Hunter-Lab	86.1186, -2.7899, 7.7667

Details

The CIELCh color **89, 3.881, 61.346** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 3.800, 242.778**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 3.825, 65.077** is the 20% darker color. If you saturate the color by 10%, you get **85, 11.112, 60.502**, and if you desaturate by 10%, it is **93, 2.909, 242.666**.

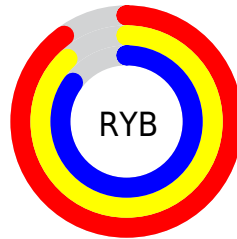
Distribution



Red (90%)

Green (87%)

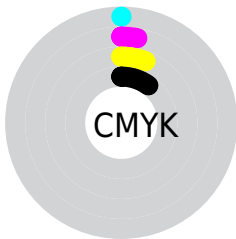
Blue (85%)



Red (90%)

Yellow (88%)

Blue (85%)

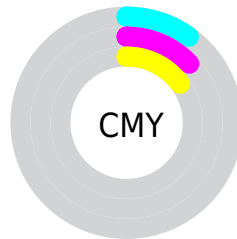


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (10%)



Cyan (10%)

Magenta (13%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 3.881, 61.346 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, 3.881, 61.346 by changing the saturation by 10% instead.

89, 3.881, 61.346

89, 3.881, 61.346

100, 3.881, 61.346

79, 3.881, 61.346

69, 3.881, 61.346

59, 3.881, 61.346

49, 3.881, 61.346

39, 3.881, 61.346

29, 3.881, 61.346

19, 3.881, 61.346

9, 3.881, 61.346

0, 3.881, 61.346

89, 3.881, 61.346

89, 3.881, 61.346

85, 11.112, 60.502

93, 2.909, 242.666

81, 18.829, 59.580

97, 7.258, 217.888

77, 27.072, 58.689

98, 8.481, 198.947

73, 35.859, 57.845

70, 45.163, 57.051

66, 54.866, 56.283

63, 64.658, 55.452

60, 73.854, 54.341

57, 81.210, 52.517

Harmonies

Complementary

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



89, 3.881, 61.346



89, 3.800, 242.778

Rectangle

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



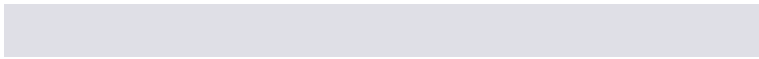
89, 3.881, 61.346



89, 3.881, 111.346



89, 3.881, 241.346



89, 3.881, 291.346

Sweetspot

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



89, 3.881, 61.384



99, 1.472, 61.499



88, 6.303, 338.215



53, 0.837, 61.489



0, 0.000, 0.000



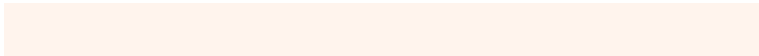
53, 0.007, 296.813

Same Dimension

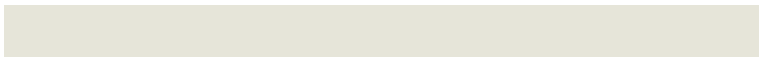
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 3.881, 61.384



97, 5.251, 61.275



91, 5.953, 104.367



46, 3.135, 61.231



44, 68.991, 52.257



10, 21.397, 48.455

Inverse Universe

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



89, 3.800, 242.778



97, 5.105, 242.906



87, 6.025, 285.621



47, 3.040, 242.958



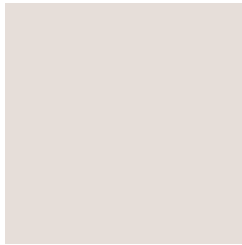
45, 43.660, 270.073



11, 16.388, 260.602

Previews

White Background



This preview shows how the CIELCh color 89, 3.881, 61.346 looks on a white background.

Color Contrast Check

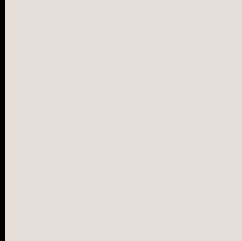
Large Text (above 18pt) WCAG AA × Fail

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, 3.881, 61.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

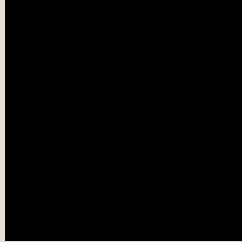
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

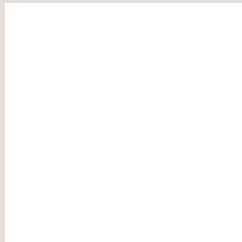
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 3.881, 61.346

Background



This preview shows how black text looks on a background with the CIELCh color 89, 3.881, 61.346.

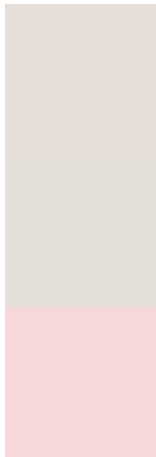


This preview shows how white text looks on a background with the CIELCh color 89, 3.881, 61.346.

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, 3.881, 61.346

Protanopia

89, 3.782, 74.676

Deuteranopia

89, 11.448, 15.016



Tritanopia
89, 10.202, 319.811

Trichromacy



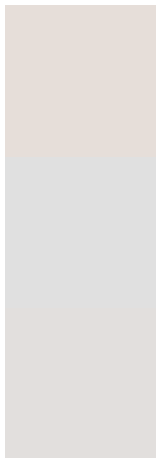
Original Color
89, 3.881, 61.346

Protanomaly
89, 3.782, 74.676

Deuteranomaly
89, 8.425, 19.944

Tritanomaly
89, 6.390, 332.618

Monochromacy



Original Color
89, 3.881, 61.346

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 1.485, 63.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 3.881, 61.346 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(230, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(230, 222, 217)  
}
```

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(230, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 222, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 3.881, 61.346 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(230, 222, 217) }
```

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

```
.border{ border-color:rgb(230, 222, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 222, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 222, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 222, 217);  
box-shadow:4px 4px 4px 4px rgb(230, 222,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 3.881, 61.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 222, 217) }
```

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

```
.background{ background-color: rgb(230,  
222, 217) }
```

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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