

Converting Colors

CIELCh(89, 3.376, 107.527)

Have a look what the booklet for
CIELCh(89, 3.376, 107.527) contains.

CIELCh(89, 3.628, 109.860)	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, 3.628, 109.860)

Conversions

Conversions Part 1

Format	Color
Hex	E0E0D9
RGB	224, 224, 217
RGB Percent	88%, 88%, 85%
CMY	0.1216, 0.1216, 0.1490
CMYK	0.00, 0.00, 0.03, 0.12
HSL	60°, 10%, 86%
HSV	60°, 3%, 88%
XYZ	69.9165, 74.1641, 76.2715
YIQ	223.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

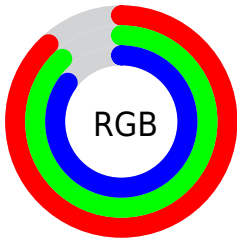
Format	Color
R_{YB}	217, 224, 217
Decimal	14737625
CIE Lab	89.00, -1.23, 3.41
CIE LCh	89, 3.628, 109.860
Yxy	74.1641, 0.3173, 0.3366
Android (android.graphics.Color)	4292927705 (0xFFE0E0D9)
YUV	223.2020, -3.0576, 0.6998
Hunter-Lab	86.1186, -5.7901, 7.7725

Details

The CIELCh color **89, 3.628, 109.860** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 3.675, 290.526**, 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, 109.774** is the 20% darker color. If you saturate the color by 10%, you get **88, 15.241, 108.931**, and if you desaturate by 10%, it is **90, 8.017, 290.859**.

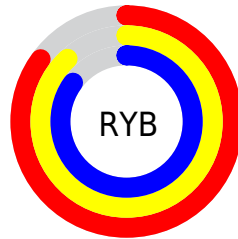
Distribution



Red (88%)

Green (88%)

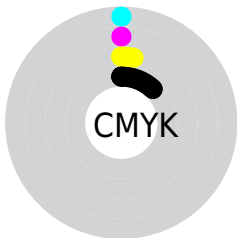
Blue (85%)



Red (85%)

Yellow (88%)

Blue (85%)

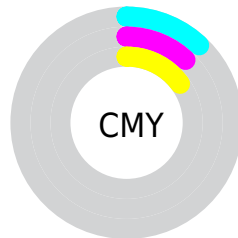


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 3.628, 109.860 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, 3.628, 109.860 by changing the saturation by 10% instead.

■ 89, 3.628, 109.860

■ 89, 3.628, 109.860

■ 100, 3.628,
109.860

■ 79, 3.628, 109.860

■ 69, 3.628, 109.860

■ 59, 3.628, 109.860

■ 49, 3.628, 109.860

■ 39, 3.628, 109.860

■ 29, 3.628, 109.860

■ 19, 3.628, 109.860

■ 9, 3.628, 109.860

■ 0, 3.628, 109.860

89, 3.628, 109.860

89, 3.628, 109.860

88, 15.241,
108.931

90, 8.017, 290.859

88, 26.752,
107.960

90, 16.129,
291.504

88, 38.066,
106.998

90, 16.130,
291.520

87, 49.030,
106.067

90, 16.130,
291.536

87, 59.408,
105.192

90, 16.130,
291.552

87, 68.848,
104.409

90, 16.130,
291.568

87, 76.866,
103.756

90, 16.130,
291.583

87, 82.905,
103.275

90, 16.130,
291.599

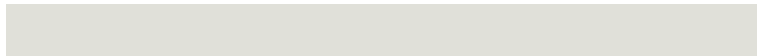
■ 87, 86.540,
102.991

■ 90, 16.130,
291.615

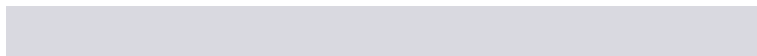
Harmonies

Complementary

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



89, 3.628, 109.860



87, 3.675, 290.526

Rectangle

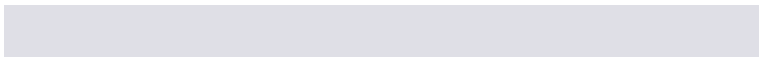
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



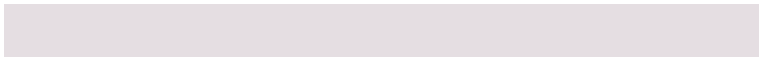
89, 3.628, 109.860



89, 3.628, 159.860



89, 3.628, 289.860



89, 3.628, 339.860

Sweetspot

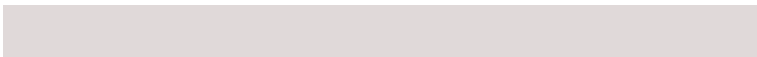
The Sweet Spot groups the original color and five complimentary colors.



89, 3.630, 109.883



100, 1.282, 110.045



87, 2.536, 19.357



53, 0.729, 110.047



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, 3.630, 109.883



100, 5.161, 109.801



89, 3.860, 128.966



47, 3.303, 109.736



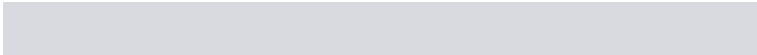
70, 73.366, 102.888



19, 27.933, 103.918

Inverse Universe

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



87, 3.675, 290.526



97, 5.227, 290.613



87, 3.896, 309.172



45, 3.348, 290.682



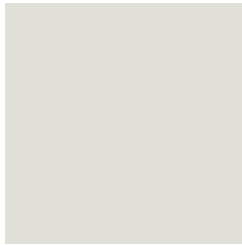
21, 101.302, 306.289



2, 31.635, 295.843

Previews

White Background



This preview shows how the CIELCh color 89, 3.628, 109.860 looks on a white background.

Color Contrast Check

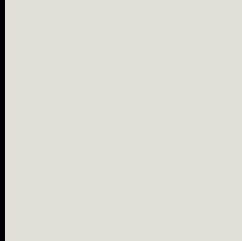
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 3.628, 109.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

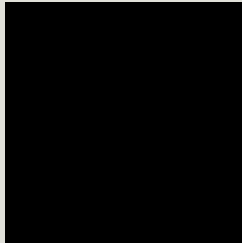
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

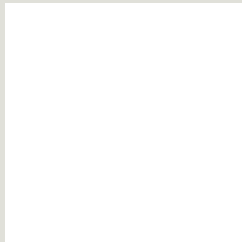
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 3.628, 109.860

Background



This preview shows how black text looks on a background with the CIELCh color 89, 3.628, 109.860.

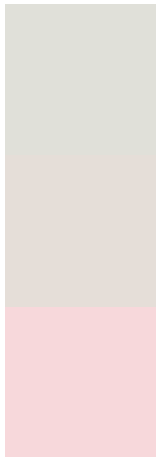


This preview shows how white text looks on a background with the CIELCh color 89, 3.628, 109.860.

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, 3.628, 109.860

Protanopia

89, 4.006, 70.373

Deuteranopia

89, 11.488, 12.443



Tritanopia
89, 9.143, 304.152

Trichromacy



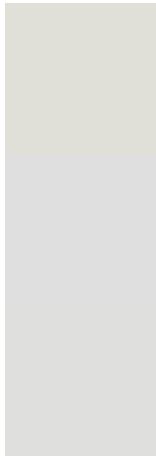
Original Color
89, 3.628, 109.860

Protanomaly
89, 3.897, 87.947

Deuteranomaly
89, 7.332, 23.896

Tritanomaly
89, 4.428, 309.191

Monochromacy



Original Color
89, 3.628, 109.860

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 1.030, 110.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 3.628, 109.860 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, 224, 217)` looks like.

```
.text, #text, p{  
    color:rgb(224, 224, 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(224, 224, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 224, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 3.628, 109.860 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, 224, 217) }
```

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

```
.border{ border-color:rgb(224, 224, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 224, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 224, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 224, 217);  
box-shadow:4px 4px 4px 4px rgb(224, 224,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 3.628, 109.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 224, 217) }
```

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

```
.background{ background-color: rgb(224,  
224, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor