

Converting Colors

CIELCh(89, 2.611, 110.389)

Have a look what the booklet for
CIELCh(89, 2.611, 110.389) contains.

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Color

CIELCh(89, 2.588, 109.938)

Conversions

Conversions Part 1

Format	Color
Hex	E0E0DB
RGB	224, 224, 219
RGB Percent	88%, 88%, 86%
CMY	0.1221, 0.1221, 0.1417
CMYK	0.00, 0.00, 0.02, 0.12
HSL	60°, 7%, 87%
HSV	60°, 2%, 88%
XYZ	70.0792, 74.1641, 77.5401
YIQ	223.4300, 1.6050, -1.5550

Conversions

Conversions Part 2

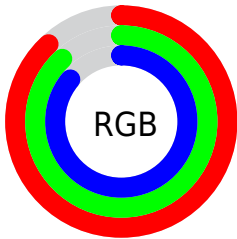
Format	Color
RYB	219, 224, 219
Decimal	14737627
CIELab	89.00, -0.88, 2.43
CIELCh	89, 2.588, 109.938
Yxy	74.1641, 0.3160, 0.3344
Android (android.graphics.Color)	4292927707 (0xFFE0E0DB)
YUV	223.4300, -2.1840, 0.4999
Hunter-Lab	86.1186, -5.4527, 6.8991

Details

The CIELCh color $89, 2.588, 109.938$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $87, 2.623, 290.453$, 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 $69, 2.730, 109.880$ is the 20% darker color. If you saturate the color by 10%, you get $88, 14.200, 109.027$, and if you desaturate by 10%, it is $90, 9.052, 290.950$.

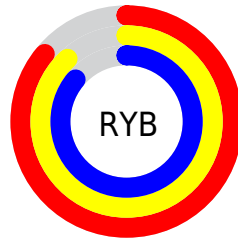
Distribution



Red (88%)

Green (88%)

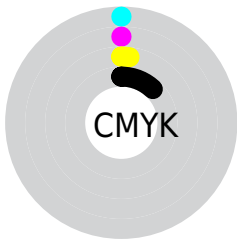
Blue (86%)



Red (86%)

Yellow (88%)

Blue (86%)

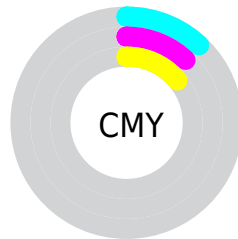


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.588, 109.938 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, 2.588, 109.938 by changing the saturation by 10% instead.

■ 89, 2.588, 109.938

■ 89, 2.588, 109.938

■ 100, 2.588,
109.938

■ 79, 2.588, 109.938

■ 69, 2.588, 109.938

■ 59, 2.588, 109.938

■ 49, 2.588, 109.938

■ 39, 2.588, 109.938

■ 29, 2.588, 109.938

■ 19, 2.588, 109.938

■ 9, 2.588, 109.938

■ 0, 2.588, 109.938

89, 2.588, 109.938

89, 2.588, 109.938

88, 14.200,
109.027

90, 9.052, 290.950

88, 25.718,
108.057

90, 16.204,
291.523

88, 37.049,
107.093

90, 16.204,
291.544

87, 48.047,
106.158

90, 16.204,
291.566

87, 58.485,
105.278

90, 16.204,
291.588

87, 68.022,
104.485

90, 16.204,
291.609

87, 76.185,
103.820

90, 16.205,
291.631

87, 82.419,
103.323

90, 16.205,
291.653

■ 87, 86.276,
103.021

■ 90, 16.205,
291.675

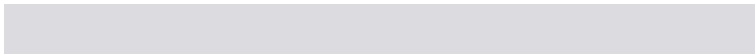
Harmonies

Complementary

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



89, 2.588, 109.938



87, 2.623, 290.453

Rectangle

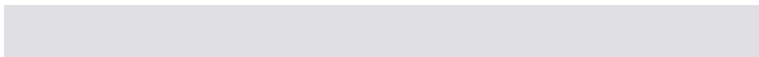
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



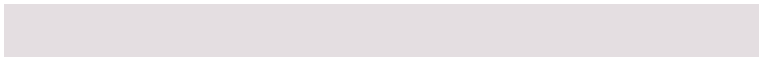
89, 2.588, 109.938



89, 2.588, 159.938



89, 2.588, 289.938



89, 2.588, 339.938

Sweetspot

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



89, 2.590, 109.970



100, 1.282, 110.054



88, 1.806, 19.208



53, 0.729, 110.056



0, 0.000, 0.000



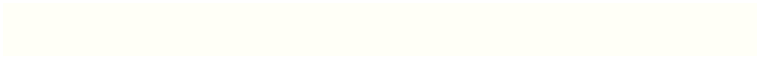
53, 0.007, 296.813

Same Dimension

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



89, 2.590, 109.970



100, 3.868, 109.902



89, 2.753, 129.019



47, 2.642, 109.833



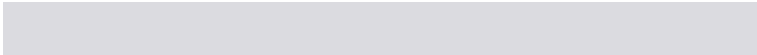
70, 73.366, 102.902



19, 27.933, 103.931

Inverse Universe

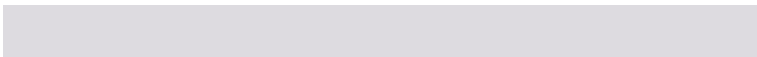
The Inverse Universe completely reimagines the original color for something new.



87, 2.623, 290.453



98, 3.916, 290.525



88, 2.782, 309.119



46, 2.675, 290.597



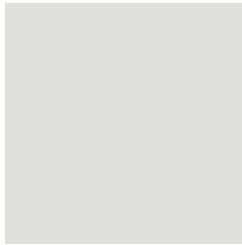
21, 101.301, 306.290



2, 31.635, 295.849

Previews

White Background



This preview shows how the CIELCh color 89, 2.588, 109.938 looks on a white background.

Color Contrast Check

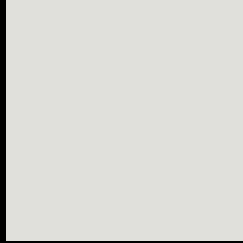
Large Text (above 18pt) WCAG AA × Fail

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, 2.588, 109.938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

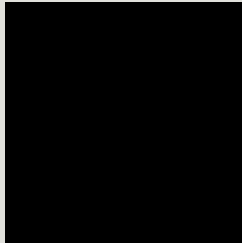
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

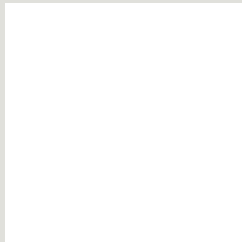
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.588, 109.938

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.588, 109.938.

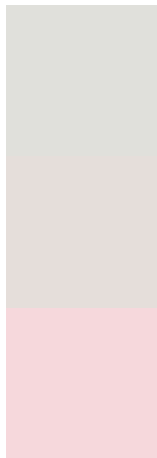


This preview shows how white text looks on a background with the CIELCh color 89, 2.588, 109.938.

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, 2.588, 109.938

Protanopia

89, 3.263, 58.858

Deuteranopia

89, 11.185, 9.518



Tritanopia
89, 9.143, 304.152

Trichromacy



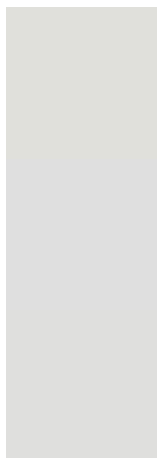
Original Color
89, 2.588, 109.938

Protanomaly
89, 2.955, 80.570

Deuteranomaly
89, 6.944, 15.543

Tritanomaly
89, 4.924, 307.263

Monochromacy



Original Color
89, 2.588, 109.938

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, 2.588, 109.938 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(224, 224, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 224, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.588, 109.938 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, 219) }
```

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

```
.border{ border-color:rgb(224, 224, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 224, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 224, 219);  
box-shadow:4px 4px 4px 4px rgb(224, 224,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.588, 109.938 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, 219) }
```

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

```
.background{ background-color: rgb(224,  
224, 219) }
```

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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