

Converting Colors

CIELCh(89, 16.652, 108.799)

Have a look what the booklet for
CIELCh(89, 16.652, 108.799)
contains.

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Color

CIELCh(89, 17.069, 108.763)

Conversions

Conversions Part 1

Format	Color
Hex	E2E2C1
RGB	226, 226, 193
RGB Percent	89%, 89%, 76%
CMY	0.1150, 0.1150, 0.2444
CMYK	0.00, 0.00, 0.15, 0.12
HSL	60°, 36%, 82%
HSV	60°, 15%, 88%
XYZ	67.9564, 74.1641, 60.9980
YIQ	222.2380, 10.5930, -10.2630

Conversions

Conversions Part 2

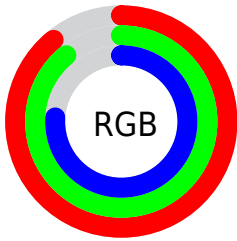
Format	Color
R_{YB}	193, 226, 193
Decimal	14869185
CIE _{Lab}	89.00, -5.49, 16.16
CIE _{LCh}	89, 17.069, 108.763
Yxy	74.1641, 0.3346, 0.3651
Android (android.graphics.Color)	4293059265 (0xFFE2E2C1)
YUV	222.2380, -14.4143, 3.2993
Hunter-Lab	86.1186, -9.8527, 18.2878

Details

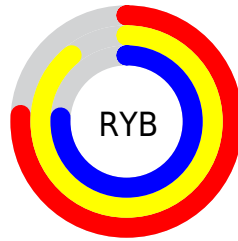
The CIELCh color **89, 17.069, 108.763** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **79, 17.652, 291.768**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 2.525, 109.959**, and **69, 17.423, 109.718** is the 20% darker color. If you saturate the color by 10%, you get **89, 28.630, 107.797**, and if you desaturate by 10%, it is **90, 5.400, 109.730**.

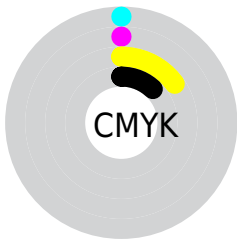
Distribution



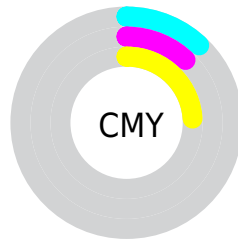
- Red (89%)
- Green (89%)
- Blue (76%)



- Red (76%)
- Yellow (89%)
- Blue (76%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (12%)





- Cyan (12%)
- Magenta (12%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 17.069, 108.763 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, 17.069, 108.763 by changing the saturation by 10% instead.


 89, 17.069,
108.763


 89, 17.069,
108.763


 100, 17.069,
108.763


 79, 17.069,
108.763

 69, 17.069,
108.763

 59, 17.069,
108.763

 49, 17.069,
108.763

 39, 17.069,
108.763

 29, 17.069,
108.763

 19, 17.069,

108.763

■ 9, 17.069, 108.763

■ 0, 17.069, 108.763

■ 89, 17.069,
108.763

■ 89, 17.069,
108.763

■ 89, 28.630,
107.797

■ 90, 5.400, 109.730

■ 88, 39.971,
106.837

■ 90, 6.316, 290.706

■ 88, 50.930,
105.911

■ 91, 15.238,
291.409

■ 88, 61.254,
105.047

■ 91, 15.238,
291.415

■ 87, 70.568,

■ 91, 15.238,
291.420

104.280

91, 15.238,
291.425

87, 78.367,
103.650

91, 15.238,
291.431

87, 84.093,
103.196

91, 15.238,
291.436

87, 87.368,
102.940

91, 15.238,
291.441

87, 88.363,
102.864

Harmonies

Complementary

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



89, 17.069, 108.763



79, 17.652, 291.768

Rectangle

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



89, 17.069, 108.763



89, 17.069, 158.763



89, 17.069, 288.763



89, 17.069, 338.763

Sweetspot

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



89, 17.071, 108.769



100, 5.161, 109.785



81, 12.483, 20.355



53, 3.669, 109.714



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, 17.071, 108.769



99, 23.180, 108.429



88, 18.232, 128.416



47, 6.607, 109.270



70, 73.366, 102.863



19, 27.934, 103.896

Inverse Universe

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



79, 17.652, 291.768



85, 24.169, 292.206



80, 18.602, 309.734



43, 6.754, 291.166



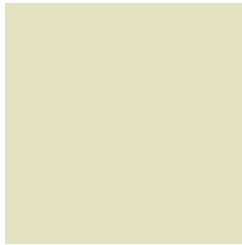
21, 101.304, 306.288



2, 31.634, 295.834

Previews

White Background



This preview shows how the CIELCh color 89, 17.069, 108.763 looks on a white background.

Color Contrast Check

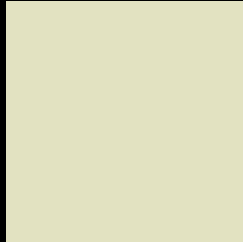
Large Text (above 18pt) WCAG AA × Fail

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, 17.069, 108.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

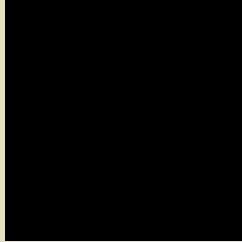
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

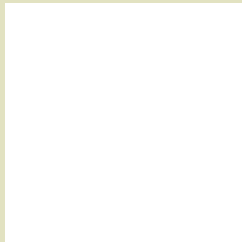
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 17.069, 108.763

Background



This preview shows how black text looks on a background with the CIELCh color 89, 17.069, 108.763.



This preview shows how white text looks on a background with the CIELCh color 89, 17.069, 108.763.

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, 17.069, 108.763

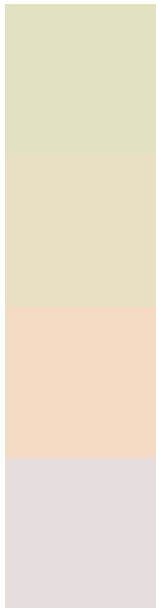
Protanopia
89, 17.197, 93.370

Deuteranopia
89, 18.642, 53.866



Tritanopia
89, 10.498, 316.733

Trichromacy



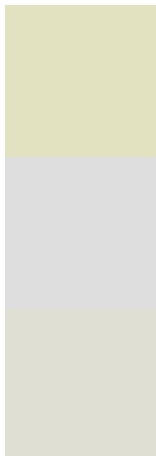
Original Color
89, 17.069, 108.763

Protanomaly
89, 16.841, 98.407

Deuteranomaly
89, 16.154, 72.855

Tritanomaly
89, 3.253, 19.454

Monochromacy



Original Color
89, 17.069, 108.763

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 6.230, 109.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 17.069, 108.763 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(226, 226, 193)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 193)  
}
```

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(226, 226, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 17.069, 108.763 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(226, 226, 193) }
```

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

```
.border{ border-color:rgb(226, 226, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 226, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 226, 193); box-shadow:4px 4px 4px 4px rgb(226, 226, 193) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 17.069, 108.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 193) }
```

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

```
.background{ background-color: rgb(226,  
226, 193) }
```

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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